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Phase I Environmental Site Assessment

Grand Marina Village

Alameda, California

This report has been prepared for:

Ponderosa Homes

6671 Owens Drive, Pleasanton, California 94588

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Project No. 247-23

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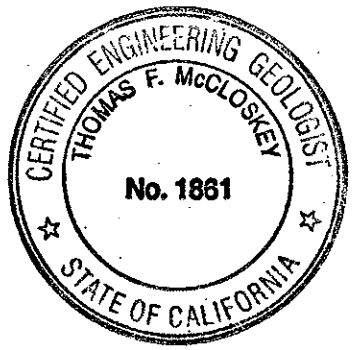

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
GRAND MARINA VILLAGE
ALAMEDA, CALIFORNIA

1.0 INTRODUCTION

1.1 Purpose

This Phase I environmental site assessment was performed for Ponderosa Homes, who we understand is considering the purchase and redevelopment of the site shown on Figures 1 and 2. The planned development includes single-family homes.

The purpose of this study was to strive to document recognized environmental conditions at the site related to current and historic use of hazardous substances and petroleum products. The term "recognized environmental conditions" means the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate a significant release or significant threat of a release into the ground, ground water, or surface water.

1.2 Scope of Work

As requested, the scope of work for this study was performed in general accordance with the American Society for Testing and Materials (ASTM) Designation E 1527-00 as outlined in our agreement dated September 9, 2004. The scope of work included the following tasks.

- Reconnaissance of the site and limited drive-by survey of adjacent properties for readily observable indications of current or historic activities that have or could significantly impact the site.
- Review of readily available topographic maps and reports to evaluate local hydrogeologic conditions including anticipated ground water depth and flow direction.
- Review of readily available documents, maps, aerial photographs, and interviews with knowledgeable persons to evaluate past land uses.
- Acquisition and review of a regulatory agency database report to evaluate potential impacts to the site from reported contamination incidents at the site or at nearby facilities.
- Review of select city and county files to obtain information about the use and storage of hazardous materials at the site.

Our scope of services did not include sampling or analysis of on-site building materials, air, soil, or ground water. The limitations of this Phase I environmental site assessment are presented in Section 6; the terms and conditions of our agreement are presented in Appendix A.

2.0 SITE RECONNAISSANCE

2.1 Site Location and Ownership

The approximately 3.2-acre site is located at 2041, 2043, 2045, 2047, and 2051 Grand Street in a primarily commercial area. It is bounded by remaining areas of the Grand Marina property to the north and west, Fortmann Way and commercial properties to the south, and Grand Street and commercial properties to the east. The site is owned by Mr. Dean Anderson and Mr. Peter Wong.

2.2 Topographic Features and Hydrogeology

Based on U.S. Geological Survey (USGS) topographic maps, the site elevation is approximately 10 feet above mean sea level. Topography in the vicinity of the site slopes gently to the north toward the Alameda/Oakland Estuary. Based on our concurrent geotechnical investigation conducted at the site, the shallow water-bearing zone likely is encountered at depths of approximately 9½ feet below ground surface (bgs). Based on information reviewed during this investigation, ground water beneath the site generally flows north to northeast (See Table 4).

2.3 Site Visit

To observe current site conditions, our representative, Staff Environmental Engineer Veronica Tiglao, visited the site on October 13, 2004 and was accompanied by Ms. Elaine Lutz, the Harbor Master General Manager at the Grand Marina. At the time of our site visit, the subject property was developed with several commercial buildings associated with the Grand Marina facilities, as shown on Figure 2.

Western portions of the site were developed with asphalt-paved parking areas and landscaping associated with the Grand Marina harbor. Construction equipment and miscellaneous construction materials, including wood and large concrete blocks, were observed at the paved parking areas. According to Ms. Lutz, the equipment and materials were for an off-site dock rebuild and would only be stored on-site temporarily. Two underground storage tanks (USTs) currently in use by the Grand Marina fuel dock are located at an asphalt-paved driveway near the northern property boundary; based on observed site plans, the UST location appears partially located on-site (Figure 3A: Photograph 1).

Central portions of the site were observed as unpaved storage areas for outriggers, boats, and shipping containers. According to Ms. Lutz, shipping containers were rented by tenants and used for storage and as shop areas for minor boat repair. A small building housing a trash compactor was located on northern portions of the storage areas, adjacent to the parking lots. According to Ms. Lutz, the compacter was used by Grand Marina staff and was approximately 3 years old.

Remaining areas of the site (southeast corner) were occupied by ten buildings, additional boat storage, several additional shipping containers, and a storage and work yard. Ms. Lutz reported that shipping containers in this area were also rented to individual tenants and used for storage, offices, and workshops.

Buildings observed were generally constructed of corrugated steel, wood-frame, or cinder block with either bare concrete, raised wooden floors over a concrete pad, or plywood flooring on concrete. Fluorescent lighting was observed in accessible units. Buildings designated as I and K (Figure 2) are actually located within the same structure; buildings designated as F, G, and J were observed as attached structures. Exterior areas on the southeast portion of the site were generally unpaved except for some concrete or asphalt-paved driveways and several concrete pads.

Tenant spaces observed in Building A were composed of office and workshop spaces for minor boat maintenance such as motor repair. Ms. Lutz reported that remaining tenant spaces in the building were used for similar purposes.

The commercial business at Building B was observed to be a boat building and repair business. Tools, rolls of fiberglass sheeting, and containers of various epoxy resins, adhesive fillers, coatings and other chemicals/compounds generally used for boat building and repair were observed in the facility. A small (5-gallons or less) plastic container of gasoline was also located in this building. A patched area observed in the concrete pad appeared indicative of a former underground structure such as a UST (Figure 3A: Photograph 2). Based on information reviewed as part of this study, the building was formerly used as an auto repair, as described in more detail in Section 3.

Interior areas of Building C were not accessible at the time of our site visit. According to Ms. Lutz, the building was primarily used as office spaces.

Building D was observed as a commercial business for the production of marine canvas products. Rolls of canvas, various sprays, epoxies, cleaners, and tools related to the production of marine canvas products were observed inside the building.

Area E was inaccessible at the time of the site visit. According to Ms. Lutz, work such as welding and boat and car restoration was conducted at the storage and work yard. Several shipping containers, tents, vehicles, and drill augers were observed in the yard through a chain-link fence. A former above-ground storage tank (AST) farm was reportedly located at Area E. (Section 3). Ms. Lutz reported that the current tenant at the space imported several tons of gravel (approximately 20 inches) and hard packed it on top of the former AST foundation approximately 6 years ago. A small shed southwest of Area E housed an approximately 250-gallon AST of used oil on a raised platform (Figure 3B: Photograph 3). Also, eleven spent batteries were observed next to the AST. The shed was located on concrete pavement. Ms. Lutz reported that the used oil and batteries were regularly recycled by several recycling companies, including Artesian Oil Recyclers.

Building F was in use as a storage and general work area, and a boat was observed inside the building. Tented structures adjacent to the building were observed to be used as a temporary small plane hangar and a paint tent. The paint tent had wooden flooring and was located in an unpaved area.

A locksmith was located in Building G. Office spaces, retail spaces, and key cutting equipment were observed inside the building.

Building H was occupied by several tenants and in use for office spaces and a piano studio. One pad-mounted Pacific, Gas, & Electric (PG&E) transformer was located to

the east of Building H. Also, several small containers (less than 5-gallons) of fuel and an apparently empty 55-gallon drum were observed to the south of the building. Ms. Lutz reported that fuel containers were used by Grand Marina staff. An apparent pump was also observed to the south of the building (Figure 3B: Photograph 4). Ms. Lutz reported that the pump was no longer in use and was likely associated with the former fuel depot at the site (Section 3).

Building I was in use by multiple tenants for small storage. A 55-gallon drum observed inside the building was reportedly filled with liquid styrofoam. Small containers (5-gallons or less) of anti-freeze, adhesives, finishes, paints, coatings, and camp fuels were observed inside fenced storage areas located adjacent to the south side of the building. No significant staining was observed.

Building J was vacant at the time of the sit visit.

Interior areas of Building K were not accessible at the time of the site visit. Interior areas were observed through windows; the building was apparently used for office spaces.

Building L was used for storage by Grand Marina. Chemical storage and use observed involved only routine janitorial and maintenance supplies.

Major site tenants are listed in Table 1. Additional observed site features are listed in Table 2.

Table 1. Current Site Tenants

Building/Area Designation	Tenant	General Use
A	Multiple Tenants	Offices and workshops for minor boat repair
B	Joakim Jonsson Boat Builders	Boatbuilder
C	R. Sherman	Office spaces
D	"Sew What" Marine Canvas Shop	Canvas shop
E	Mad Dog Drilling Company	Storage and work yard
F	R. Sherman	Storage building, including boat storage and plane hangar
G	Locksmith	Locksmith
H	Pacific Yachts Imports; Opus 8 Piano Studio; Bay Yachts	Office spaces and piano studio
I	Multiple Tenants	Miscellaneous storage building
J	Vacant	Vacant building
K	B. Neville and J. Palmer	Office spaces for marine electricians
L	Grand Marina	Storage building for miscellaneous items and general cleaning supplies

*Building and area designations were applied for purposes of this report and corresponding site plan only and are not associated with unit numbers provided by the Grand Marina to tenants

Table 2. Additional Readily Observable Site Features

Site Features				Comments
Heating/Ventilation/Air Conditioning System	☒ Natural Gas and/or Electrical ☐ Fuel Oil			
Potable Water Supply	☒ Municipal	☐ On-Site Well		
Sewage Disposal Syst.	☒ POTW	☐ On-Site Septic		
Transformers	☒ Present ☒ PG&E	☐ Not Observed ☐ Privately Owned		PG&E pad-mounted transformer.
Other Features	☒ Aboveground Storage Tanks			Used oil AST.
	☐ Agricultural Wells			
	☐ Air Emission Control Systems			
	☐ Auto Servicing Areas			
	☐ Boilers			
	☐ Burning Areas			
	☐ Chemical Mixing Areas			
	☐ Chemical Storage Areas			
	☐ Clean Rooms			
	☐ Drainage ditches			
	☐ Elevators			
	☐ Emergency Generators			
	☐ Equipment Maintenance Areas			
	☐ Garbage Disposal Areas			
	☒ HazMat/HazWaste Storage Areas			Used oil and battery recycling area.
	☐ High Power Transmission Lines			
	☐ Hoods and Ducting			
	☐ Hydraulic Lifts			
	☐ Petroleum Pipelines			
	☐ Petroleum Wells			
	☐ Ponds or Streams			
	☐ Railroad Lines			
	☐ Row crops or orchards			
	☐ Stockpiles of Soil or Debris			
	☐ Sumps or clarifiers			
	☒ Underground Storage Tanks			Two USTs in use for Grand Marina fuel dock; portion of UST location on-site.
	☒ Vehicle Maintenance Areas			
	☐ Vehicle Wash Areas			
	☐ Waste Water Neutralization Systems			
	☐ Wells			Reported car and boat maintenance and restoration work at site.

Note: An unchecked box does not warrant that these features are not present on-site; it only states that these features were not readily observed during our site visit.

2.4 Site Vicinity Drive-By Survey

To evaluate adjacent land use, we performed a limited drive-by survey. Our observations are presented in Table 3.

reportedly in use for boat storage, Building B was in use as a warehouse with an oil room, Building C was reported as a lab and warehouse, Building D and G as warehouses, and Building J was reportedly vacant. Gas and oil storage was reported adjacent to Building B. The eastern half of the site was reportedly occupied by the Encinal Fuel Depot.

1993: By the 1993 aerial photographs, all but Buildings A, B, C, D, F, G, I/K, J, and L had been demolished. ASTs were no longer present on the site (Area E). Building H was visible near the northern site boundary. Remaining areas of the site appeared in use as storage yards or parking areas. The site on the 1993 aerial photograph appeared similar to site conditions observed during the October 2004 site reconnaissance.

3.1.2 Site Vicinity

1897 and 1915: Based on the 1987 Sanborn Map, the vicinity to the south of the site was primarily vacant with some residential properties in the area. The vicinity to the north, east, and west of the site were not shown on the available Sanborn Maps. The 1915 topographic map showed the vicinity to the east as developed; no further significant information was provided by the map. The vicinity to the north, south, and west of the site were not shown on the available topographic map.

1932 and 1939: Based on the 1932 topographic map, the surrounding vicinity appeared generally developed. Grand Street was visible to the east of the site. By the 1939 aerial photograph, the site was visibly bounded by commercial properties to the north, south, and west. Vacant lots were located to the east and southeast of the site.

1946, 1948, and 1949: The vicinity on the 1946 aerial photograph appeared similar to the 1939 aerial photograph except for the construction of some commercial buildings to the east of the site. The vicinity on the 1948 Sanborn Map appeared similar to the vicinity on the 1946 aerial photograph. Based on the 1948 Sanborn Map, commercial properties to the north, south, and west of the site were occupied by the Harbor Tug & Barge Company, the Alaska Packers Association, and remaining areas of the Marine Ship Repairs Lessees ship repair yard, respectively. The vicinity to the east of the site was not shown on the available Sanborn Map. The 1948 and 1949 topographic maps did not provide further significant information on the site vicinity.

1950, 1958, and 1959: The vicinity on the 1950 Sanborn Map appeared similar to the vicinity on the 1948 Sanborn Map except that the Marine Ship Repairs Lessees ship repair yard was reportedly no longer in operation; the vicinity to the east of the site was not shown on the available Sanborn Map. By the 1958 aerial photograph, some structures to the south and east of the site had apparently been demolished. An AST farm was located to the south of the site. Areas to the east of the site appeared in use as storage yards. The 1959 topographic map did not provide further significant information on the site vicinity.

1965 and 1968: By the 1965 aerial photograph, Fortmann Way and additional commercial structures were visible to the south of the site. Properties to the east

appeared vacant. The 1968 topographic map did not provide further significant information on the site vicinity.

1973: The 1973 topographic map did not provide further significant information on the site vicinity.

1980, 1982, and 1987: The 1980 topographic map did not provide further significant information on the site vicinity. On the 1982 aerial photograph, additional commercial structures to the south had been demolished and areas to the east were observed as apparent parking lots or storage yards. By the 1987 Sanborn Map, commercial buildings occupied by the City of Alameda Maintenance Center were located to south of the site. Areas to the west of the site were occupied by the Encinal Terminals Lessees. Reportedly, buildings to the north of the site formerly occupied by Harbor Tug & Barge Company had been demolished. The vicinity to the east of the site was not shown on the available Sanborn Map.

1993: The vicinity on the 1993 aerial photograph appeared similar to the vicinity on the 1987 Sanborn Map.

3.2 City Directories

A City Directory Search and Abstract was requested from Environmental Data Resources, Inc. Based on a search of select business directory repository collections by Environmental Data Resources, Inc., no coverage was available for the site pertaining to the given site location and site addresses 2041, 2047, and 2099 Grand Street in Alameda, California.

4.0 REGULATORY RECORDS

4.1 City and County Agencies File Review

To obtain information on hazardous materials usage and storage, we requested readily available information at the Alameda Planning and Building Department (APBD), Alameda Fire Department (AFD), Alameda County Environmental Health Department (ACEHD), and East Bay Municipal Utility District (EBMUD) pertaining to current and historical site addresses 2033, 2039, 2041, 2043, 2045, 2047, and 2051 Grand Street and associated address 2099 Grand Street.

A representative from EBMUD reported that a waste water discharge permit had been granted to 2099 Grand Street. However, discharge permit records were not made available to us at the time this report was issued. An addendum to this report will be issued if the records reporting significant information are provided to us at a later date.

The information made available to us is summarized in Table 4; key documents are included in Appendix C.

Table 4. Available File Review Information

Agency	Date	Entity	Remarks
APBD	January 1920 to January 1959	2041 Grand Street	Permit summary listing several building permits for an addition, a workshop, garages, broom shop, washroom remodel, and reroofing of a garage, shop, and barn. The property was reported as a corporation yard.
AFD	April 1, 1949	City of Alameda 2041 Grand Street	Permit card reporting 550-gallon gasoline UST.
AFD	November 19, 1963 and June 12, 1969	City of Alameda 2041 Grand Street	Permit cards reporting 1,000-gallon gasoline UST; reportedly removed.
APBD	February 1987 to May 1987	Encinal Fuel Depot 2041 Grand Street	Permit summary listing permits for a demolition and the installation of two signs. Sign plans reporting the installation of a sign to read, "Encinal Fuel Depot Inc.," "Home of BABs," "Marine Storage Lot," and "2041 Grand Street."
AFD	June 1988	Encinal Marina 2041 Grand Street	Subsurface Investigation/Tank Removal Report by Uriah Inc. for 1,000-gallon gasoline UST reporting sheen on ponded water and concentrations of up to 730 ppm TPH in soil.
APBD	March 1994 to September 1995	Grand Marina 2041 Grand Street	Permit summary listing several permits and plans including those for the installation of an equipment enclosure, tower, and antennae.
ACEHD	June 27, 2002	Grand Marina 2041 Grand Street	Hazardous Waste Inspection Checklist and Inventory Form reporting 300-gallon waste oil AST in secondary containment. Waste Oil reportedly picked up by Artesian Oil Recyclers.
ACEHD	June 1996 to August 1996	Grand Marina 2047 Grand Street	Hazardous Waste Generator Inspection Report and Facility Survey reporting 250-gallon waste oil AST (likely the 300-gallon AST previously referred to) and 10,000-gallon bilge water (oily water) AST.
ACEHD	August 1999	Grand Marina 2047 Grand Street	Correspondence regarding closure requirements for 10,000-gallon AST of bilge water.
ACEHD	July 2002 to September 2002	Grand Marina 2047 Grand Street	Correspondence and notice violation regarding closure for 10,000-gallon AST of bilge water (oily water). Bills for disposal of bilge water tank dated October 2000 faxed to ACEHD.
APBD	October 2003 to July 2004	2047 Grand Street	Electrical records and a complaint regarding unsafe living conditions in a shop and exposed electrical wiring.
APBD; AFD	April 1988	2051 Grand Street	A permit for the removal of underground tanks and sketch plan reporting 2,000-gallon UST (likely the 1,000-gallon UST previously referred to). Plan also reported Building B occupied by Encinal Fuel Depot and used for boat storage and Building D occupied by Hank's Scuba.

continued

Table 4. Available File Review Information
(continued)

Agency	Date	Entity	Remarks
AFD	March 8, 1989	Encinal Marina 2051 Grand Street	Soil Vapor Contamination Survey by Uriah Inc. reporting no indication of significant subsurface diesel contamination.
APBD	January 17, 1992	Encinal Marina 2051 Grand Street	Permit for the demolition of an AST farm issued 01/17/92 and finaled on 08/05/98.
APBD	August 5, 1994	Grand Marina 2051 Grand Street	Building permit for a window installation.
APBD	May 1987 to September 1991	Encinal Marina 2099 Grand Street	Permit summary listing several permits, including permits for the installation of two USTs; the permit was issued 04/05/89 and finaled on 09/23/91. A site plan dated 03/09/87 reported on-site ASTs as in use for the storage of diesel (three large ASTs) and sludge (four small ASTs). Also, design review/planning form from APBD dated 11/17/88 requesting site plan showing "oil and oil-contaminated products facilities".
ACEHD	January 1989 to April 1989	Encinal Marina 2099 Grand Street	UST permit applications for one 12,000-gallon gasoline UST and one 12,000-gallon diesel UST installed 1989.
AFD	April 20, 1989	Grand Marina 2099 Grand Street	Permit card reporting installation of one 2,000-gallon gasoline UST and one 2,000-gallon diesel UST (likely the 12,000-gallon USTs previously referred to).
ACEHD	January 1994 to February 1994	Grand Harbor Fuel Dock 2099 Grand Street	UST applications and Hazardous Waste Generator Inspection Checklists, regarding two 12,000-gallon gasoline and diesel USTs installed in 1989.
ACEHD	January 1998 to May 1989	Grand Marina 2099 Grand Street	UST permit applications for one 12,000-gallon gasoline UST and one 12,000-gallon diesel UST installed 05/01/89.
ACEHD	January 1999 to June 2003	Grand Marina 2099 Grand Street	UST operating permits for one 12,000-gallon gasoline UST and one 12,000-gallon diesel UST.
ACEHD	November 2000 to March 2002	Grand Marina 2099 Grand Street	Unified Program Consolidated Forms for two 12,000-gallon motor vehicle fuel USTs reportedly installed in May 1989.
ACEHD	June 4, 2004	Grand Marina 2099 Grand Street	Hazardous Waste Generator Inspection Checklist reporting universal waste, dispenser fuel filter, and tank system waste water waste streams generated at Grand Marina.

continued

Table 4. Available File Review Information
(continued)

Agency	Date	Entity	Remarks
ACEHD	July 1987 to January 1998	Grand Marina 2047, 2051, and 2099 Grand Street	Correspondence, workplans, environmental risk assessments, soil and ground water quality investigation reports, and quarterly ground water monitoring reports by ACC Environmental, Harding Lawson Associates, Seacor, Secor, Versar Inc., and Zaccor Corp. regarding releases from 1,000-gallon gasoline UST and ASTs at site
ACEHD	October 28, 1997	Grand Marina 2047, 2051, and 2099 Grand treet	Risk Assessment report for Grand Street and Fortmann Way property. Historical summary reported site use by Alaska Packer Association operating fishing vessel fleet (1839 to 1940), lumberyard by Taylor and Company (1906 to 1917), City of Alameda Corporation Yard with facilities for auto repair, carpentry, blacksmith, and animal shelter (1917 to 1983), storage of gasoline, diesel fuel, fuel oil, kerosene, aviation fuel, and other petroleum compounds in AST farm by Union Oil Company (1930 to 1952), AST farm operation and bunker fuel depot by Bay City Fuel Oil Company (1953 to 1959), lease of portions of site and eventual purchase and operation of AST farm by HTB (1926 to 1979), storage of marine construction equipment by Healey-Tibbets Construction Company (1980 to 1986), and purchase and operation of site by Grand Marina (1986 to present). Site investigation and cleanup history summarized monitoring well installations, test pit excavations, environmental risk assessments, soil and ground water investigations, removal of ASTs and 1,000-gallon UST, and soil overexcavation in area of AST farm as conducted by Harding Lawson Associates, Secor, Versar Inc., Uriah, Inc., and Zaccor Corp.

(continued)

Table 4. Available File Review Information
(continued)

Agency	Date	Entity	Remarks
ACEHD	April 3, 1998	Grand Marina 2047, 2051, and 2099 Grand Street	A Case Closure Summary Report and associated documentation reporting the removal of a 1,000-gallon gasoline UST in May 1988 and diesel and oil ASTs in January 1992. The Case Closure Summary reported several soil and ground water investigations at the site, including the installation of eight ground water monitoring wells. Cleanup activities at the site included overexcavation at the area of the former AST – Area E farm; no documentation was found reporting overexcavation activities at the former UST location. The report documented concentrations of up to 340 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPHg), 4,700 ppm total petroleum hydrocarbons as diesel (TPHd), 0.15 ppm benzene, 0.87 ppm toluene, 1.0 ppm ethylbenzene, 5.8 ppm xylenes, and 12,000 ppm oil & grease in soil and 110 parts per billion (ppb) TPHg, 300 ppb benzene, 15 ppb toluene, 7.6 ppb ethylbenzene, and 31 ppb xylenes in ground water after cleanup events. Included site plans showed six on-site wells and four off-site wells located on remaining portions of the Grand Marina. The closure summary recommended a closure action review for future site use changes. Ground water flow beneath the site reported north to northeast.
ACEHD	June 25, 1998	Grand Marina 2047, 2051, and 2099 Grand Street	Remedial Action Completion Report for remediation activities at the former AST farm; no further action was deemed required.
ACEHD	August 1998 to October 1998	Grand Marina 2047, 2051, and 2099 Grand Street	Workplan and letter reporting the destruction of five on-site monitoring wells.
ACEHD ; AFD	March 16, 1999	Grand Marina 2047, 2051, and 2099 Grand Street	Remedial Action Completion Certification reporting completion of site investigation and remedial action activities for the former UST release.

4.2 Regulatory Agency Database Report

During this study, a regulatory agency database report was obtained and reviewed to help establish whether contamination incidents have been reported in the site vicinity. A list of the database sources reviewed, a detailed description of the sources, and a radius map indicating the location of the reported facilities relative to the project site are presented in Appendix D.

Nearby reported hazardous materials spills and releases considered to have a moderate or high potential to impact the site are presented in Table 5. The potential

for site impact was evaluated based on information in the database records regarding the type of release, current case status, and distance and direction from the site.

Table 5. Nearby Reported Hazardous Materials Spills and Releases

Facility	Map ID No.	Address	Distance and Direction From Site	Potential Concern
Grand Street Tank Farm	C8	2047 Grand Street	on-site	Listed on California Spills, Leaks, Investigations, and Cleanups (CA SLIC) database. No other information provided.
Grand Marina	B5	2099 Grand Street	on-site	Listed in Leaking Underground Storage Tank (LUST) and Cortese databases for a gasoline release. Ground water affected; soil excavated and disposed off-site. Case closed 03/16/99.
Encinal Marina	C6	2051 Grand Street	on-site	Listed in LUST and Cortese databases for a gasoline release. Ground water affected. Case last reviewed 04/04/90.
Pennzoil Co; Pennzoil Products Company	D12; D13; D14	2015 Grand Street	<1/8 mile south	Listed in LUST and Cortese databases for a gasoline release. Ground water affected; no action taken. Case closed 11/03/95. California Hazardous Material Incident Reporting System (CHMIRS) database reported that the Pennzoil Quaker State Company property was purchased by Shell Lubricants in October 2002. The property consists of a tank farm, blending and packaging warehouse, and truck loading and maintenance areas. Activities at the site have included petroleum blending, packaging, and distribution center for motor oils and automatic transmission fluids since 1952. Inspections, investigations, and preliminary assessments have been conducted at the property by the Department of Health Services (DHS) and Environmental Protection Agency (EPA) since 1973. Most recent actions at the site have been reported as undergoing remediation activities under direction of the Regional Water Quality Control Board (RWQCB) for a petroleum release to soil and shallow ground water.

continued

Table 5. Nearby Reported Hazardous Materials Spills and Releases
(continued)

Facility	Map ID No.	Address	Distance and Direction From Site	Potential Concern
Pacific Shops, Inc.	E20	1815 Clement Avenue	1/8-1/4 mile south/southeast	Listed in LUST database for a gasoline release. Ground water affected; soil excavated and disposed off-site. Case closed 09/22/99.
Kem Mil Co., Division of Graphic Services	E21	1829 Clement Avenue	1/8-1/4 mile south/southeast	Listed in CA SLIC database reported numerous violations at the property including illegal off-property disposal of plating wastewater, overflow to sewer, and spills of heavy-metal containing liquids, acids, and bases. Activities at the property have included photochemical machining shop and photodeveloping and etching facility. Under ACEHD oversight.
Weyerhauser Co; Weyerhauser Paper Compan; Weyerhauser Paper Company	F24; F25; F26	1801 Hibbard Street	1/8-1/4 mile south/southwest	Listed in LUST and Cortese databases for a gasoline release. Ground water affected; soil excavated and disposed off-site. Case closed 12/03/99.

5.0 CONCLUSIONS

5.1 Historical Summary

Based on the information reviewed, the site was developed by 1839 as a fishing vessel fleet harbor by Alaska Packer Association (approximately 1839 to 1940). Subsequent uses at the site have included a lumberyard (Taylor and Company; approximately 1906 to 1917); auto repair, carpentry, blacksmith, and animal shelter facilities (City of Alameda Corporation Yard; approximately 1917 to 1983); AST farm and related facilities for the storage of gasoline, diesel fuel, fuel oil, kerosene, aviation fuel, and other petroleum compounds (Union Oil Company; approximately 1930 to 1952); and a ship repair yard (Marine Ship Repair Lessees; at least 1948). Continued use of the site as an AST farm and bunker fuel depot continued through approximately 1992 by Bay City Fuel Oil Company (approximately 1953 to 1959), HTB (approximately 1926 to 1979), and Encinal Fuel Depot (approximately 1987 to 1992). The site was also used for the storage of marine construction equipment by Healey-Tibbets Construction Company (approximately 1980 to 1986). The site was purchased by Grand Marina in 1986. Current activities at the site include the use of western portions of the site as parking areas associated with the Grand Marina, dry storage of outriggers and boats, office areas, boat building and repair, car restoration, production of marine canvas products, and locksmith activities. Site information dating back prior to 1839 was unavailable from the sources researched, but based on our experience in this area, site use prior to 1839 was likely industrial or undeveloped land.

Current buildings at the site include Buildings A, B, D, G, I/K, J, and L (apparent construction by 1939), Buildings C and F (apparent construction by 1965), and Building H (apparent construction by 1993).

Historical and current addresses reported at the site have included 2033, 2039, 2041, 2043, 2045, 2047, and 2051 Grand Street. Addresses associated with the site include 2099 Grand Street.

5.2 Chemical and Petroleum Hydrocarbon Storage and Use

Previous tenants engaged in activities that required the use of hazardous materials on-site. Based on information reviewed, an AST tank farm, reported to have stored gasoline, diesel fuel, fuel oil, kerosene, aviation fuel, sludge, and other petroleum compounds, was located on-site (Area E) from at least 1930 until its removal in January 1992. Addresses associated with the tank farm have included 2051 Grand Street and 2099 Grand Street. Also, a 550-gallon gasoline UST was installed at 2041 Grand Street in April 1949; no records were found reporting the removal of the UST. A 1,000-gallon gasoline UST was reportedly installed at 2041 Grand Street, near the southeast corner of Building B, in November 1963 and removed in May 1988. Based on site plans, a 2,000-gallon gasoline UST reported by some agency records likely refer to the 1,000-gallon gasoline UST. A 10,000-gallon bilge water tank was reported at 2047 Grand Street from at least June 1996 until its removal in October 2000. Additionally, structures on-site were formerly used as oil warehouses, a filling station, auto repair, and car shop.

Currently, a 250-gallon waste oil AST on a raised platform is located on-site, southwest of Area E. Waste oil is reportedly regularly recycled by several recycling companies, including Artesian Oil Recyclers. The waste oil AST has been associated with addresses 2041 and 2047 Grand Street. Based on information reviewed, a 300-gallon waste oil AST reported by some agency records likely refer to the 250-gallon waste oil AST. A 12,000-gallon diesel UST and 12,000-gallon gasoline UST installed in April 1989 and currently in use by the Grand Marina fuel dock are located at an asphalt-paved driveway near the northern property boundary; based on observed site plans, the UST location appears partially located on-site. Based on information reviewed, a 2,000-gallon diesel UST and 2,000-gallon gasoline UST reported by some agency records likely refer to the two 12,000-gallon USTs. An apparent pump was also observed to the south of building H. The pump is no longer in use and was likely associated with the former fuel depot at the site.

Additional hazardous materials observed on-site included small to moderate quantities (containers of 5 gallons or less) of various epoxy resins, adhesive fillers, coatings, finishes, paints, routine janitorial and maintenance supplies, anti-freeze, and fuels. Additional hazardous wastes observed on-site include spent batteries, reportedly transported off-site and recycled by a subcontractor. General housekeeping of chemical storage areas appeared orderly with no readily observable evidence of significant spills or leaks. Based on our observations, the potential for soil or ground water to have been significantly impacted by these chemicals appears low. We recommend that all hazardous materials be appropriately disposed prior to the property transfer.

A representative from EBMUD indicated that a waste water discharge permit was obtained by 2099 Grand Street; however, records of the permit were not made available to us at the time this report was issued. An addendum to this report will be issued if the records reporting significant information are provided to us at a later date.

Although no significant leaks or spills were observed during the site reconnaissance, due to the long history of chemical use at the site, consideration should be given to evaluating soil and ground water quality prior to purchasing the site. A review of previous soil and ground water investigations is presented below.

5.3 General Soil and Ground Water Quality

Several site investigation activities, including test pit excavations, soil vapor investigations, soil and ground water quality investigations, monitoring well installations, and environmental risk assessments were conducted at the site to investigate releases from the former 1,000-gallon gasoline UST and former AST farm. Cleanup activities at the site included overexcavation at the area of the former AST farm; no documentation was found reporting overexcavation activities at the former 1,000-gallon UST location.

A Remedial Action Completion Report for remediation activities at the former AST farm reporting no further action was issued June 25, 1998. A Remedial Action Completion letter reporting completion of site investigation and remedial action activities for the former UST release was issued March 16, 1999. However, the March 16, 1999 letter and an April 3, 1988 Case Closure Summary Report documented concentrations in soil of up to 340 ppm TPHg, 4,700 ppm TPHd, 0.15 ppm benzene, 0.87 ppm toluene, 1.0 ppm ethylbenzene, 5.8 ppm xylenes, and 12,000 ppm oil & grease all in soil, and 110 ppb TPHg, 300 ppb benzene, 15 ppb toluene, 7.6 ppb ethylbenzene, and 31 ppb xylenes in ground water after cleanup events. The closure summary recommended review of the closure action if future site use changes were planned.

We recommend conducting additional soil and ground water quality investigations prior to purchasing the site to determine if concentrations of hydrocarbons remain that exceed the thresholds for residential use. Soil and ground water concentrations remaining on-site could represent unacceptable health risks to the future residential site development.

5.4 Monitoring Wells

Based on site plans available, six on-site wells and four off-site wells were installed at the Grand Marina to monitor releases from the former 1,000-gallon gasoline UST and former AST farm. Five on-site monitoring wells were destroyed and appropriately abandoned in September 1998. No records were found reporting the destruction of remaining wells. However, monitoring wells were not observed at the time of our site visit.

5.5 Asbestos

Due to the age of the on-site buildings, asbestos-containing materials (ACMs) may be present. If demolition, renovation, or re-roofing of the buildings is under consideration, an asbestos survey must be conducted under National Emissions Standards for Hazardous Air Pollutants (NESHAP) guidelines. In addition, NESHAP guidelines require that all potentially friable ACM be removed prior to building demolition or renovation that may disturb the ACM.

5.6 Lead-Based Paint

In 1978, the Consumer Product Safety Commission banned the use of lead as an additive in paint. Currently, the U.S. EPA and U.S. Department of Housing and Urban Development are proposing additional lead-based paint regulations. Based on the age of the buildings, lead-based paint may be present. If lead-based paint is still bonded to the building materials, its removal is not required prior to demolition. It will be necessary, however, to follow the requirements outlined by Cal/OSHA Lead in Construction Standard, Title 8, California Code of Regulations (CCR) 1532.1 during demolition activities; these requirements include employing training, employee air monitoring, and dust control. If lead based paint is peeling, flaking or blistered, it should be removed prior to demolition. It is assumed that such paint will become separated from the building components during demolition activities; thus, it must be managed and disposed as a separate waste steam. Any debris or soil containing lead paint or coating must be disposed at landfills that are permitted to accept the waste being disposed.

5.7 Fluorescent Light Ballasts and Tubes

Fluorescent lighting was observed on-site. Fluorescent light ballasts manufactured before 1978 may contain PCBs. Ballasts manufactured after January 1, 1978 should not contain PCBs and are required by law to contain a label that states that no PCBs are present within the units. Fluorescent light tubes also may contain mercury. The Department of Toxic Substances Control (DTSC) considers these wastes Universal Wastes. Universal Wastes are lower risk hazardous wastes that require proper disposal and handling. Disposal at an appropriate recycling facility is encouraged.

5.8 Transformers

A pad-mounted transformer, owned by PG&E, was observed on-site. This transformer may contain transformer oil. The transformer appeared to be in good condition and no oil leaks were observed. Although oil is typically not highly toxic or mobile in the environment, transformer oil may contain polychlorinated biphenyls (PCBs). If the transformer is to be removed or if leaks are observed, testing of the oil for PCBs should be performed. The manufacturer may also be able to provide information regarding the PCB content, if any.

5.9 Urban Runoff Pollution Prevention Program

The Urban Runoff Pollution Prevention Program, also called the Non-Point Source Program, was developed in accordance with the requirements of the 1986 San Francisco Bay Basin Water Quality Control Plan to reduce water pollution associated

with urban storm water runoff. This program was also designed to fulfill the requirements of the Federal Clean Water Act, which mandated that the EPA develop National Pollution Discharge Elimination system (NPDES) Permit application requirements for various storm water discharges, including those from municipal storm drain systems and construction sites.

Construction activity resulting in a land disturbance of 1 acre or more, or less than 1 acre but part of a larger common plan of development or sale, must obtain a Construction Activities Storm Water General Permit. A Notice of Intent (NOI) and Storm Water Pollution Prevention Plan (SWPPP) must be prepared prior to commencement of construction.

5.10 Fill

Based on our concurrent geotechnical investigation conducted at the site, fill was encountered to approximate depths of up to 3 to 7½ feet below ground surface (bgs). The source and quality of the fill soil are unknown. The source of the fill may have been hydraulic fill dredged from the marina. Storm water runoff and industrial discharges can contain petroleum hydrocarbons, metals, or other contaminants that may have been released in the area. These materials often collect in stream and bay sediments. If a higher degree of comfort is desired, consideration should be given to evaluating shallow fill quality where future exposure residential use is most likely scenario.

5.11 Potential Environmental Concerns Within the Site Vicinity

Based on our knowledge of the area, the ground water flow direction beneath the site is likely to the north to northeast, toward the Alameda/Oakland Estuary. Several facilities listed in the Leaking Underground Storage Tank (LUST) database are located in the site vicinity. These include up-gradient facilities located at 2015 Grand Street, located within 1/8 mile from the site. The potential for impact to the project site is largely dependent on the nature of the release and extent of cleanup efforts. Additional regulatory agency information could be reviewed for these nearby facilities, if desired. However, as general policy, the overseeing regulatory agencies would not require the project site owner to characterize or clean up contamination from an off-site source. If elevated volatile organic compounds have migrated beneath the site from off-site sources, vapor migration could be a potential hazard to future residential use.

5.12 Soil Management Plan

Based on the long industrial history of the site, buried structures, debris or impacted soil may be encountered during site development activities; these materials may require special handling and disposal. To limit construction delays, we recommend that a Soil Management Plan (SMP) be developed to establish management practices for handling these materials/structures if encountered.

5.13 Environmental Insurance

Due to the lengthy industrial use of the site, contaminated materials may be encountered during site development. Consideration should be given to purchasing

insurance to help protect against these liabilities. There are two primary insurance policies that provide significant protection against environmental liability risks:

- Pollution Legal Liability protects against third party claims for personal injury and property damage, and related risks;
- Cleanup Cost-Cap protects against increases in cleanup costs due to unknown or changing conditions, including more stringent requirements than currently exist.

Other environmental insurance coverages are available to protect financial institutions lending money for the purchase of distressed assets, contractors working on environmental projects, and underground storage tank closure liability. Generally, if the risk is related to environmental conditions, it is likely that an insurance product can be adapted to protect against risk.

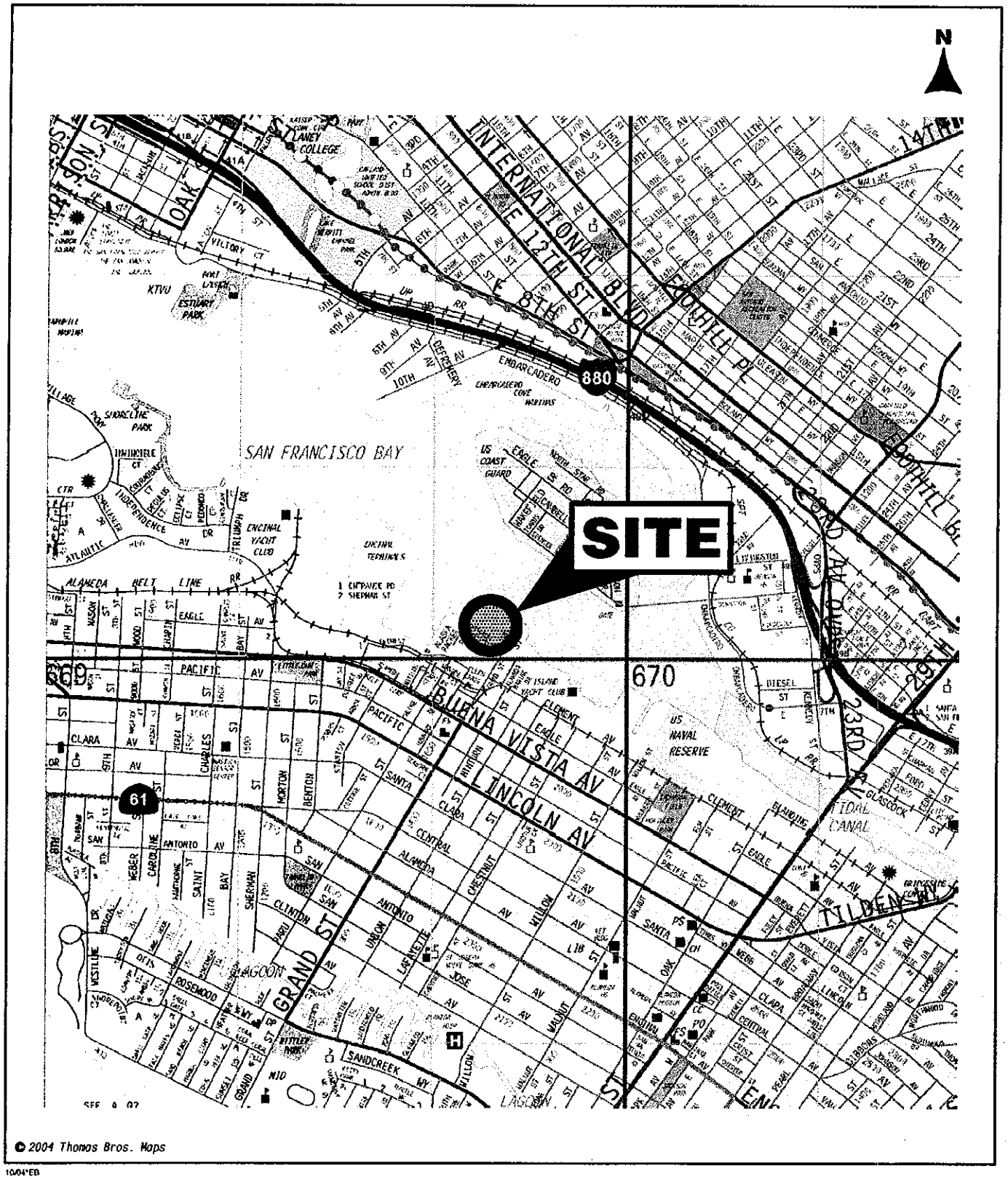
6.0 LIMITATIONS

As with all site assessments, the extent of information obtained is a function of client demands, time limitations, and budgetary constraints. Our conclusions and recommendations regarding the site are based on readily observable site conditions, review of readily available documents, maps, aerial photographs, and data collected and/or reported by others. Due to poor or inadequate address information, the regulatory agency database report listed several sites that may be inaccurately mapped or could not be mapped; leaks or spills from these or other facilities, if nearby, could impact the site. As directed by you, we are relying on information presented in reports provided to us by you or your representative. We are not responsible for the accuracy of information or data presented by others.

Because publicly available information often cannot affirm the presence of recognized environmental conditions, there is the possibility that such conditions exist. Our conclusions and recommendations in this site assessment are qualified in that no soil, ground water, air, or building material analyses were performed. Sampling and analysis lead to a more reliable assessment of environmental conditions, conditions that often cannot be noted from typical Phase I activities. Should you desire a greater degree of confidence, these samples should be obtained and analyzed to further evaluate environmental conditions. Our recommendation that no further work appears required is not a guarantee of site cleanliness; it is only a statement that there is no affirmative representation that the site has been significantly impacted.

This report was prepared for the sole use of Ponderosa Homes. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location.

* * * * * * * * * * * *



© 2004 Thomas Bros. Maps

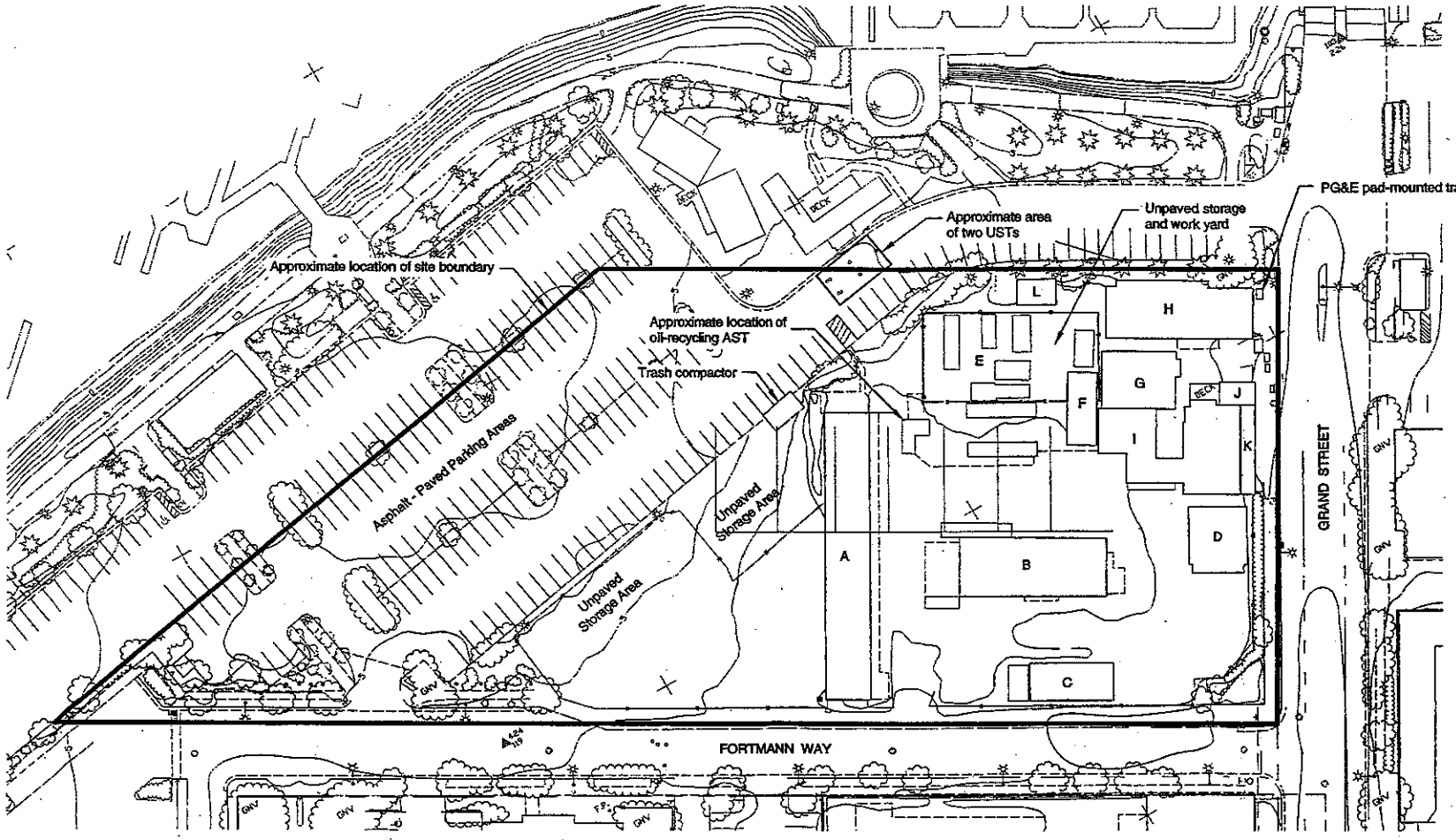
10/04*EB

VICINITY MAP

GRAND MARINA VILLAGE
Alameda, California

LOVNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

FIGURE 1
247-23



LEGEND

A - Multiple tenants (offices and workshops)
B - Joakim Jonsson Boat Builders
C - Office spaces
D - "Sew What" Marine Canvas Shop
E - Mad Dog Drilling Company
F - Storage building
G - Locksmith
H - Multiple tenants (offices and piano studio)
I - Miscellaneous storage building
J - Vacant
K - Office spaces
L - Miscellaneous storage

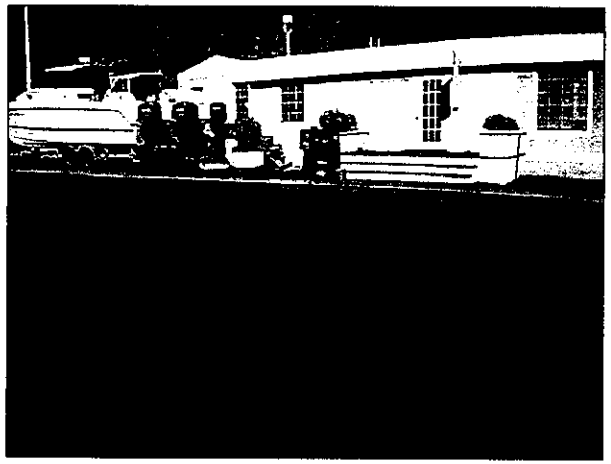
Base by Carlson, Barbee & Gibson, Inc., dated 9-8-04.

SITE PLAN
GRAND MARINA VILLAGE
Alameda, California

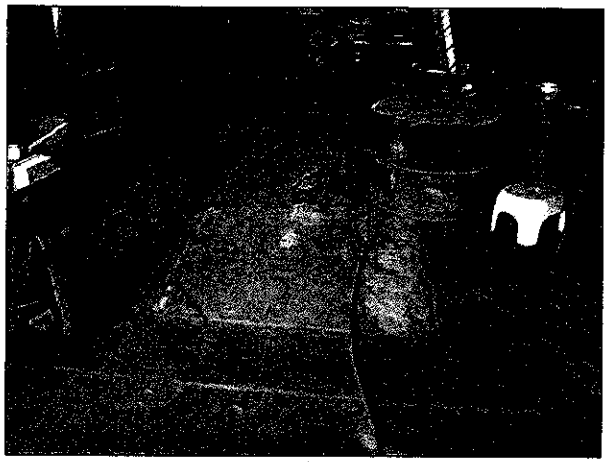
LOVNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

FIGURE 2
247-23

1004"EB



PHOTOGRAPH 1
UST location



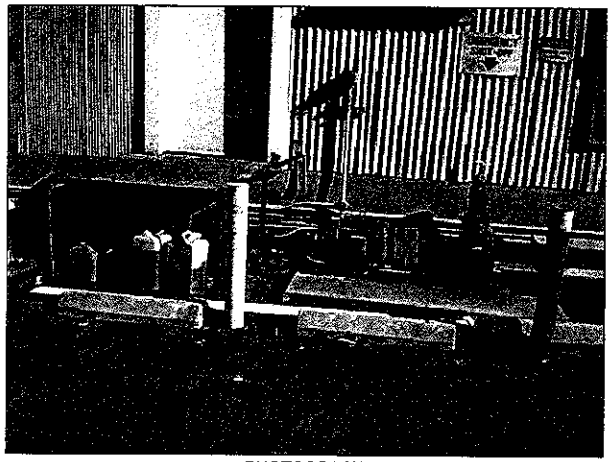
PHOTOGRAPH 2
Concrete Patch at Building B

SITE PHOTOGRAPHS 1 AND 2
GRAND MARINA VILLAGE
Alameda, California

LOVNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

FIGURE 3A
247-23

PHOTOGRAPH 3
Used Oil AST



PHOTOGRAPH 4
Apparent Pump South of Building H

SITE PHOTOGRAPHS 3 AND 4
GRAND MARINA VILLAGE
Alameda, California

LOVNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

FIGURE 3B
247-23

APPENDIX A
TERMS AND CONDITIONS

APPLICATION FOR AUTHORIZATION TO USE

REPORT TITLE: PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR GRAND MARINA VILLAGE
PROJECT NUMBER: 247-23

To: Lowney Associates
405 Clyde Avenue
Mountain View, California 94043

From (Applicant): _____
(Please clearly identify name and address of person/entity applying for permission to use or copy this document)

Ladies and Gentlemen:

Applicant hereby applies for permission to rely upon Lowney Associates work product, as described above, for the purpose of:
(state here the purpose for which you wish to rely upon the work product)

Applicant only can accept and rely upon Lowney Associates' work product under the strict understanding that Applicant is bound by all provisions in the Terms and Conditions attached to the report. Every report, recommendation, finding, or conclusion issued by Lowney Associates shall be subject to the limitations stated in the Agreement between Lowney and our Client and in the subject report(s). If this is agreeable, please sign below and return one copy of this letter to us along with the applicable fees. Upon receipt and if acceptable, our signed letter will be returned. Lowney Associates may withhold permission at its sole discretion or require additional re-use fees or terms.

FEES: A $200 coordination fee, payable in advance, will apply. If desired, for an additional $150 report reproduction fee, we will reissue the report in the name of the Applicant; the report date, however, will remain the same. All checks will be returned if the request is not approved.

REQUESTED BY

_____
Applicant Company

_____
Print Name and Title

_____
Signature and Date

APPROVED BY

Lowney Associates

_____
Print Name and Title

_____
Signature and Date

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services
247-23

APPENDIX B
AERIAL PHOTOGRAPHS AND MAPS

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Veronica Tiglao
Lowney Associates
405 Clyde Avenue
Mountain View, CA

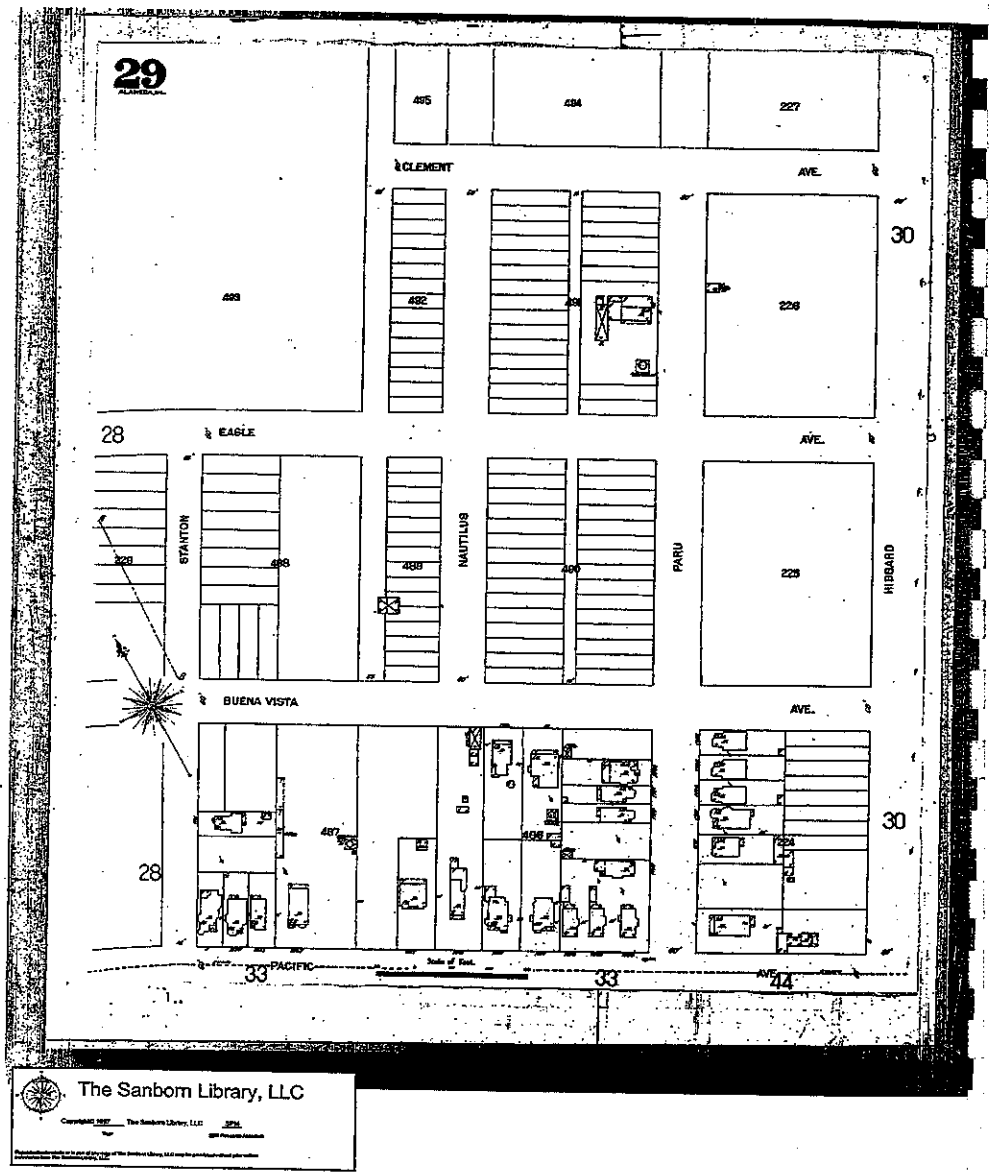
Order Date: 9/27/2004 **Completion Date:** 9/28/2004
Inquiry #: 1276150.3S
P.O. #: NA
Site Name: Grand Marina Village
Address: Fortmann Way and Grand Street
City/State: Alameda, CA 94501
Cross Streets:

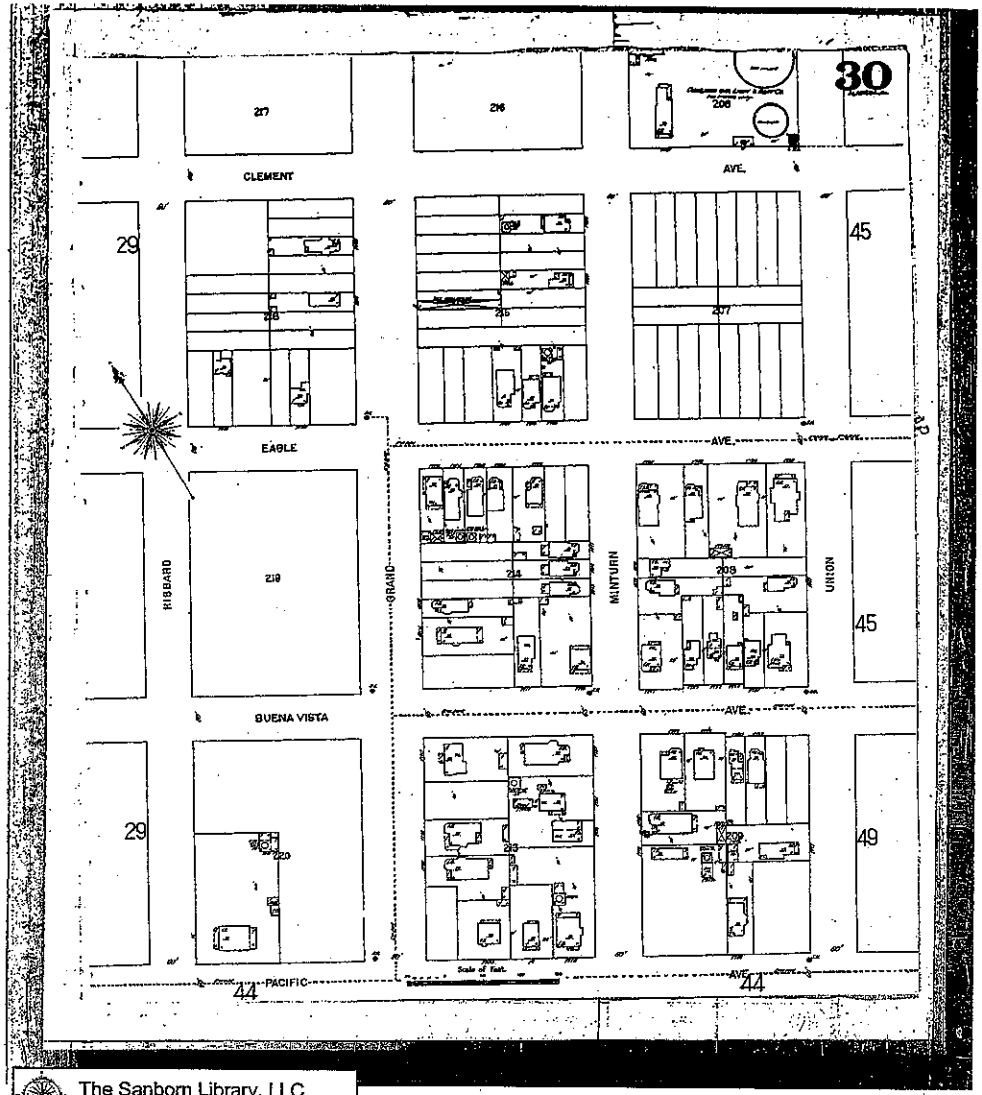
Customer Project: 247-23
1023523SHA 650-967-2365

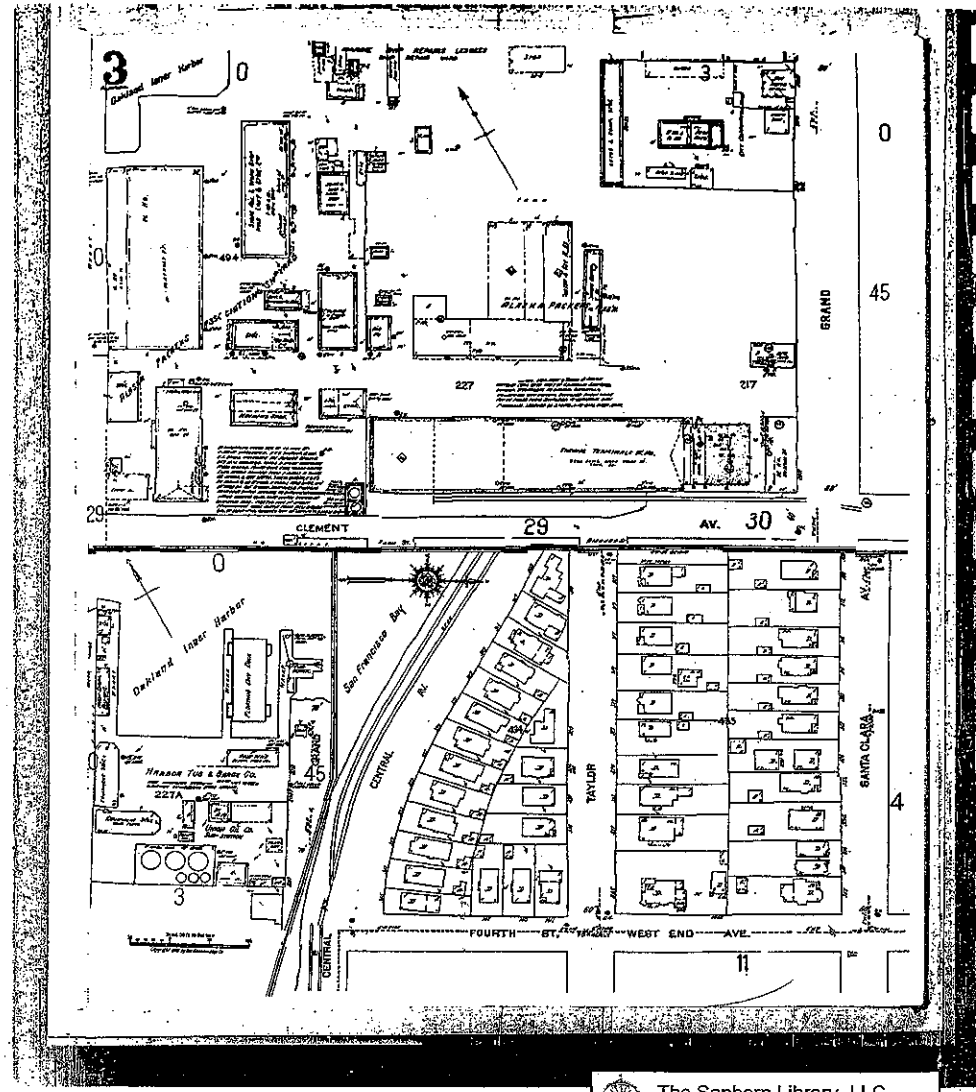
Based on client-supplied information, fire insurance maps for the following years were identified

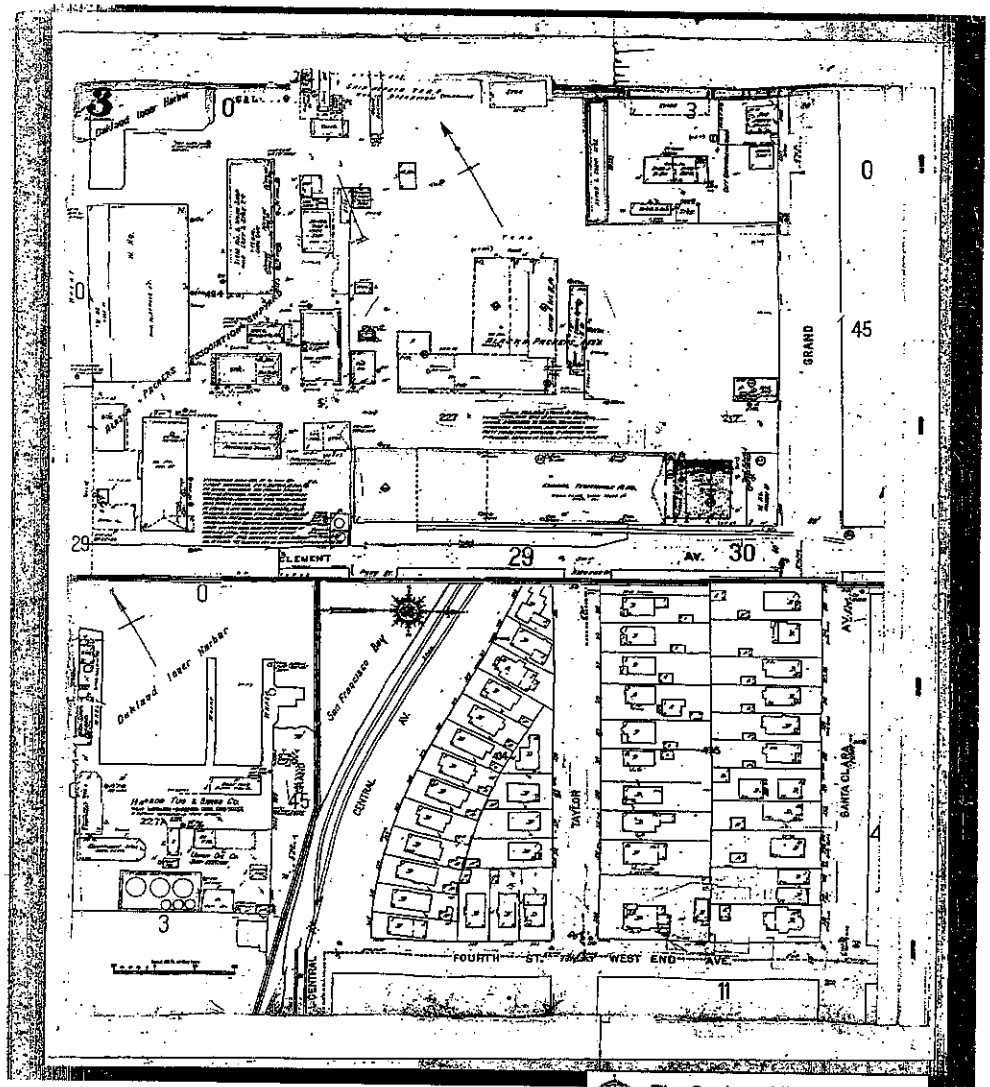
1897 - 2 Maps
1948 - 1 Map
1950 - 1 Map
1987 - 1 Map

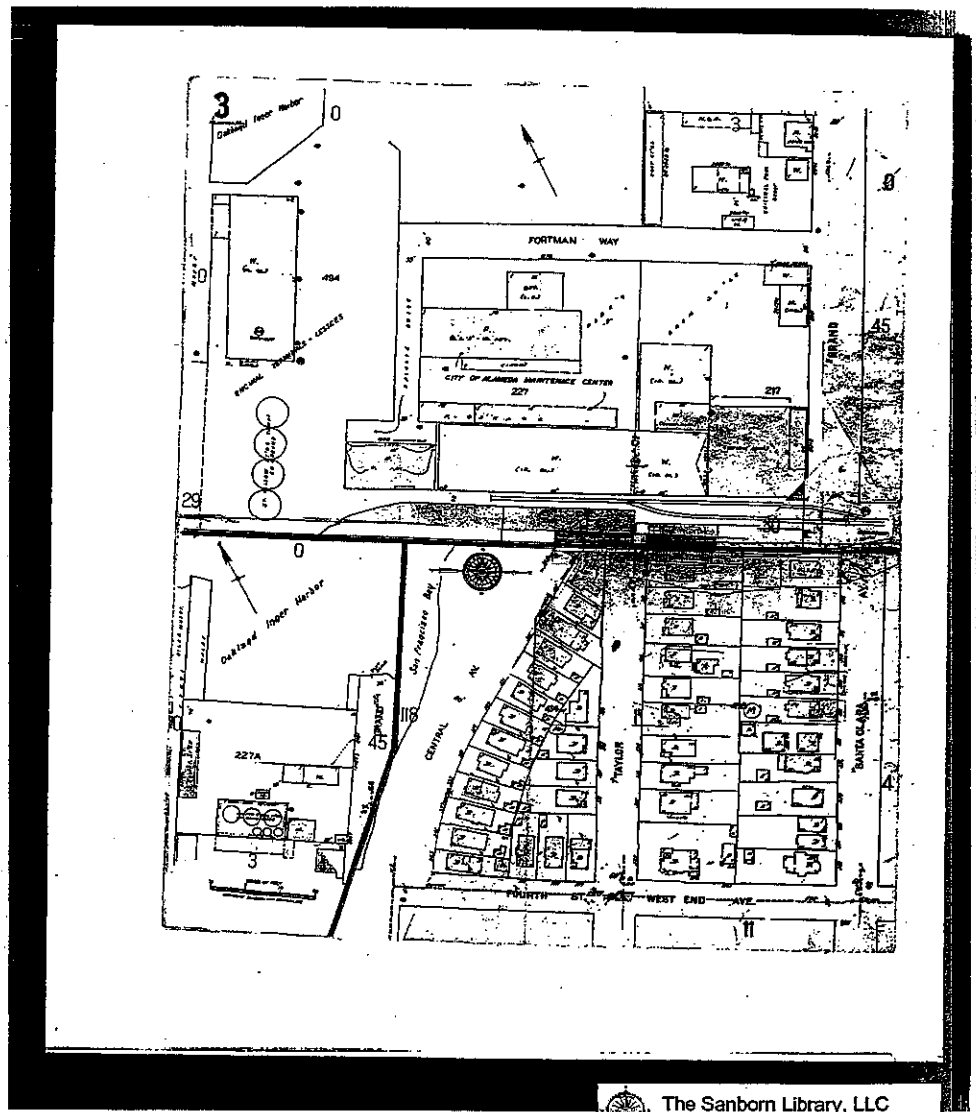
Limited Permission to Photocopy Total Maps: 5











The EDR-Historical Topographic Map Report

Grand Marina Village
Fortmann Way and Grand Street
Alameda, CA 94501

September 27, 2004

Inquiry Number: 1276150-4

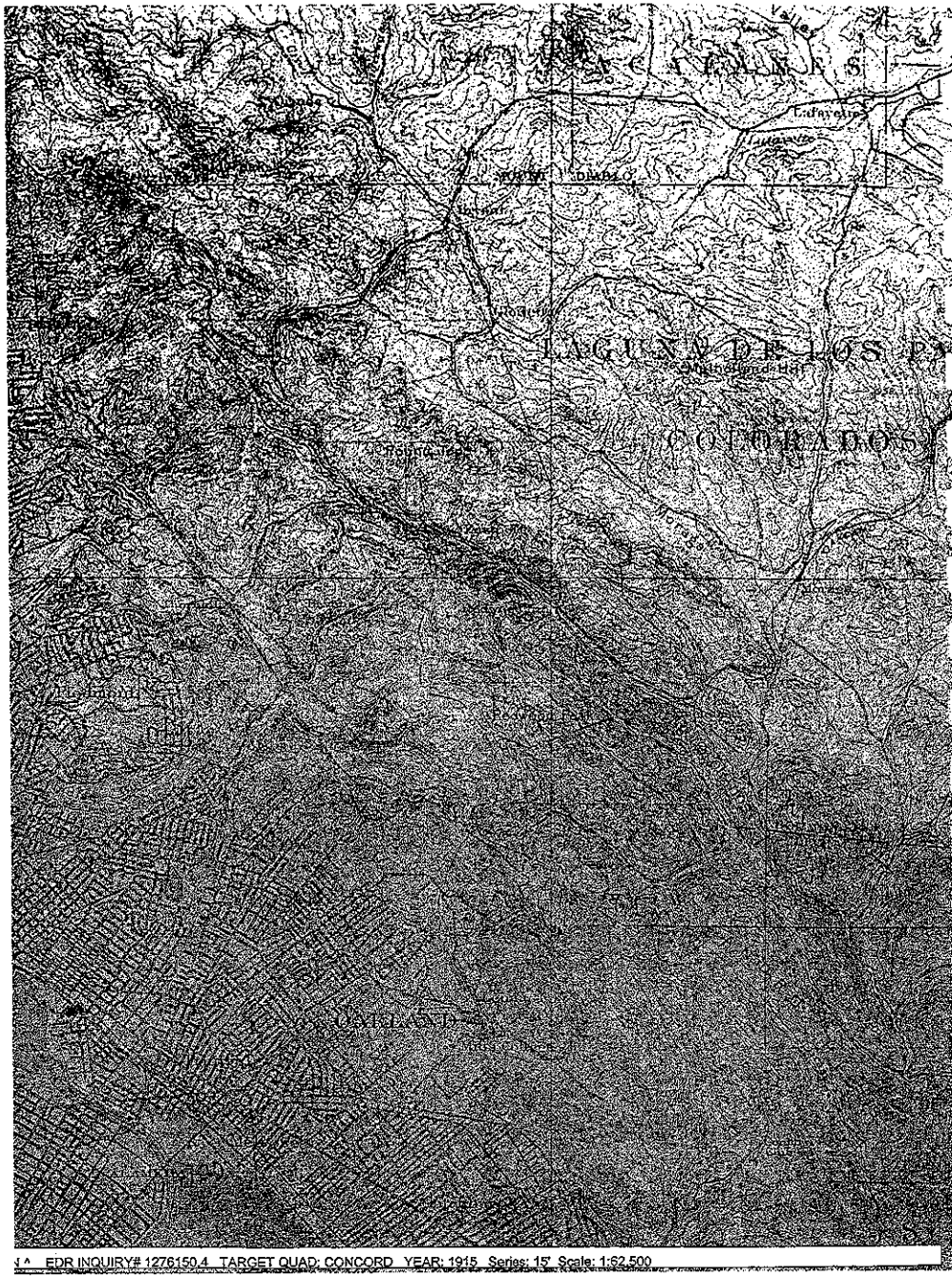
EDR™ Environmental Data Resources Inc

The Standard In Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802



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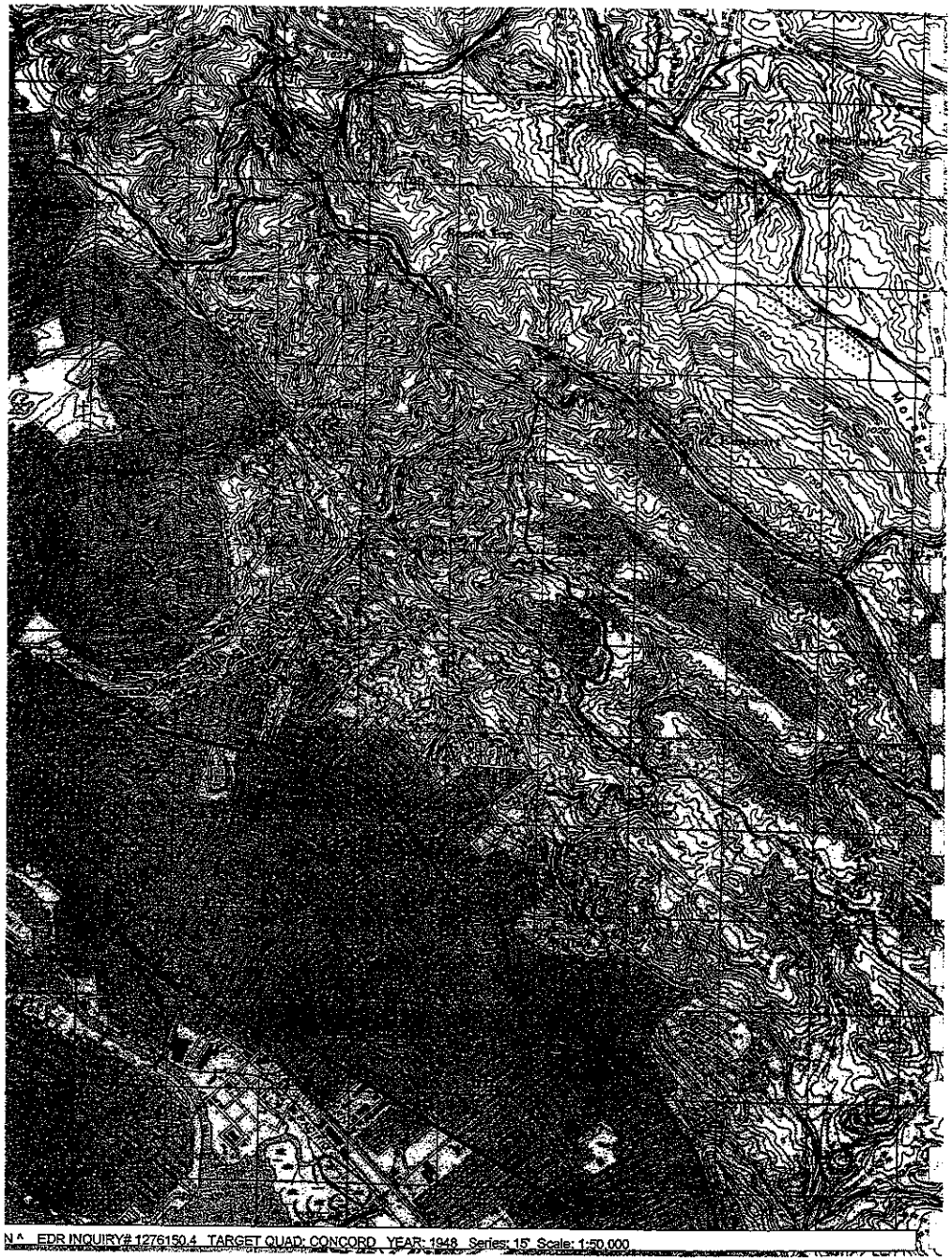

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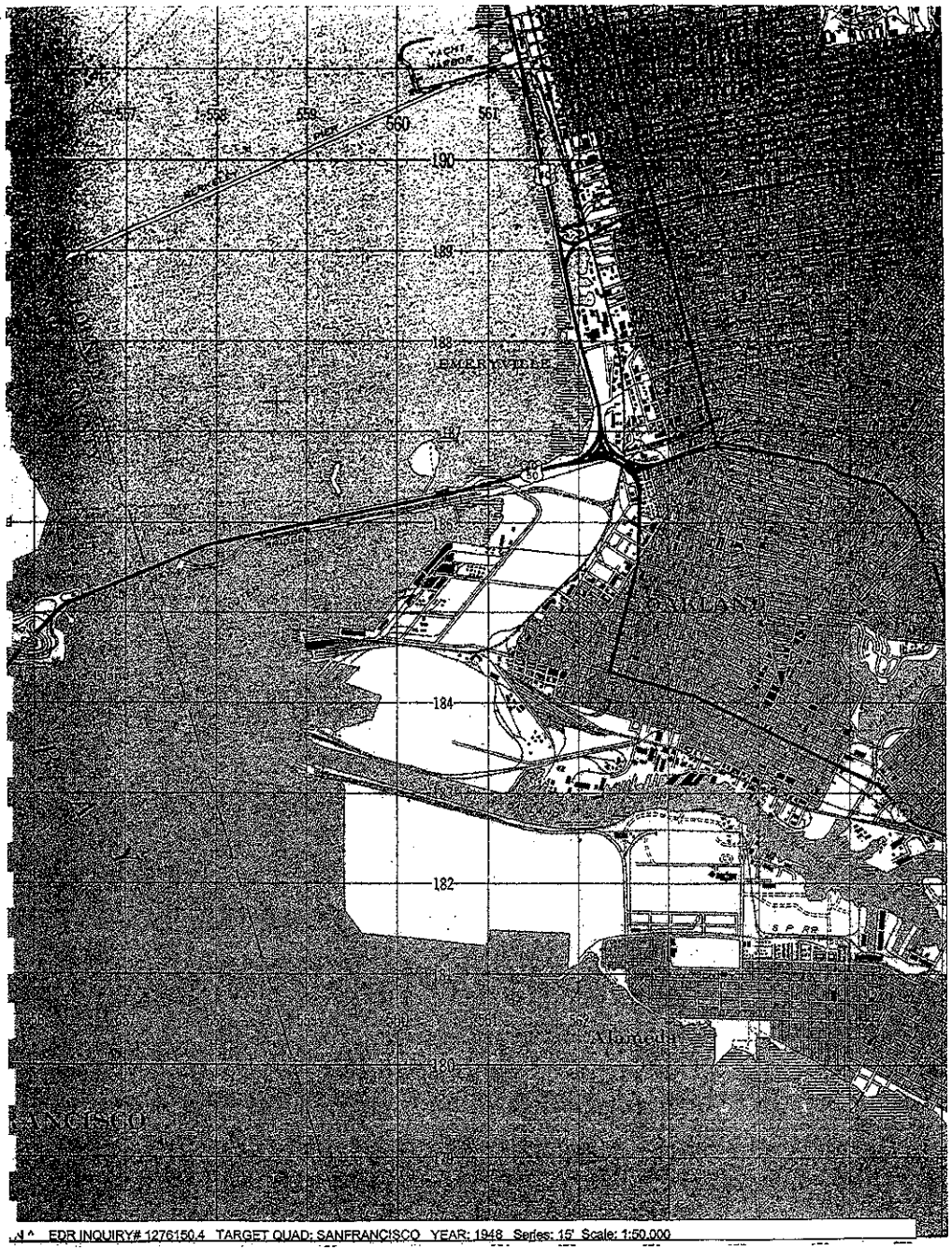

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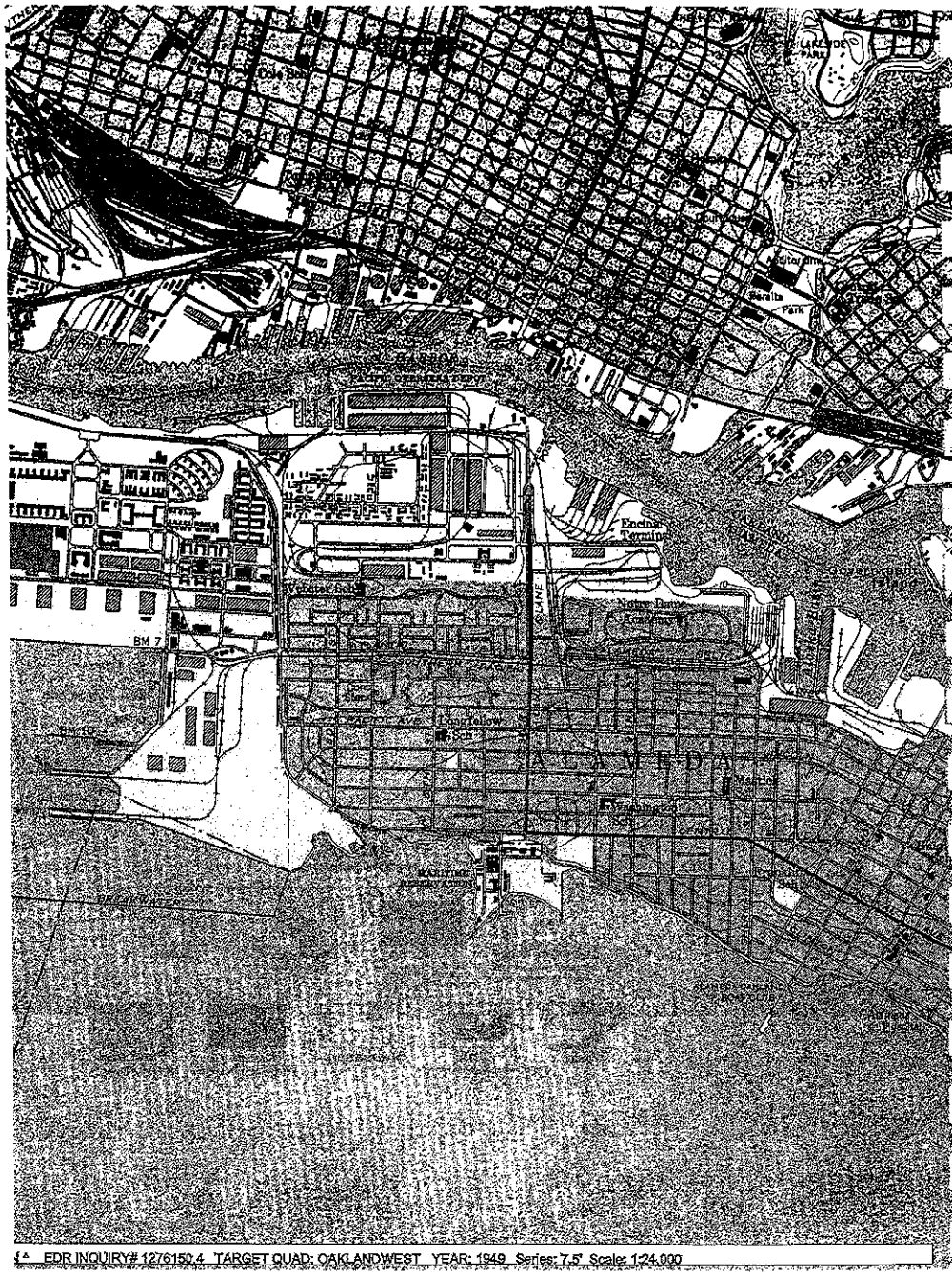

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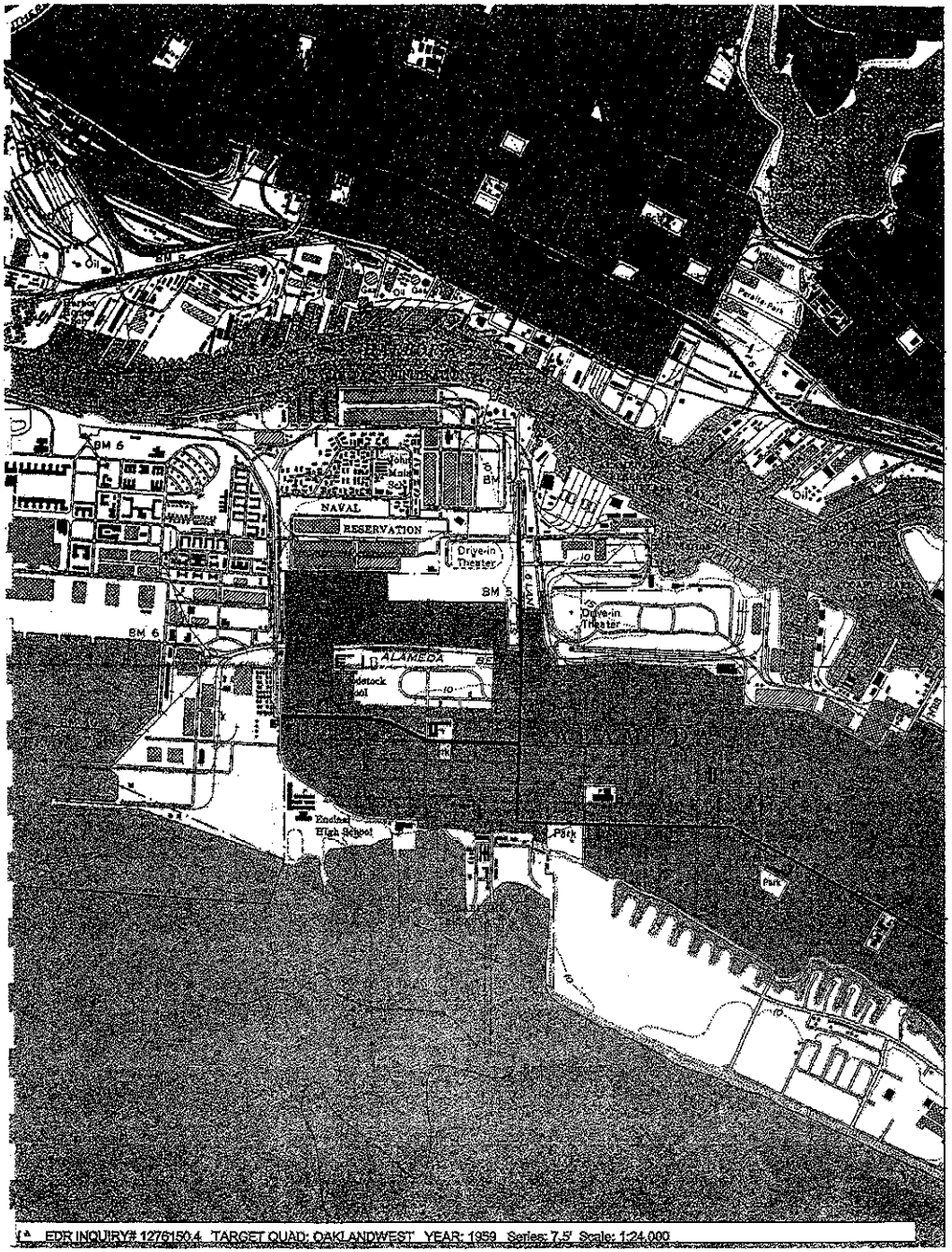

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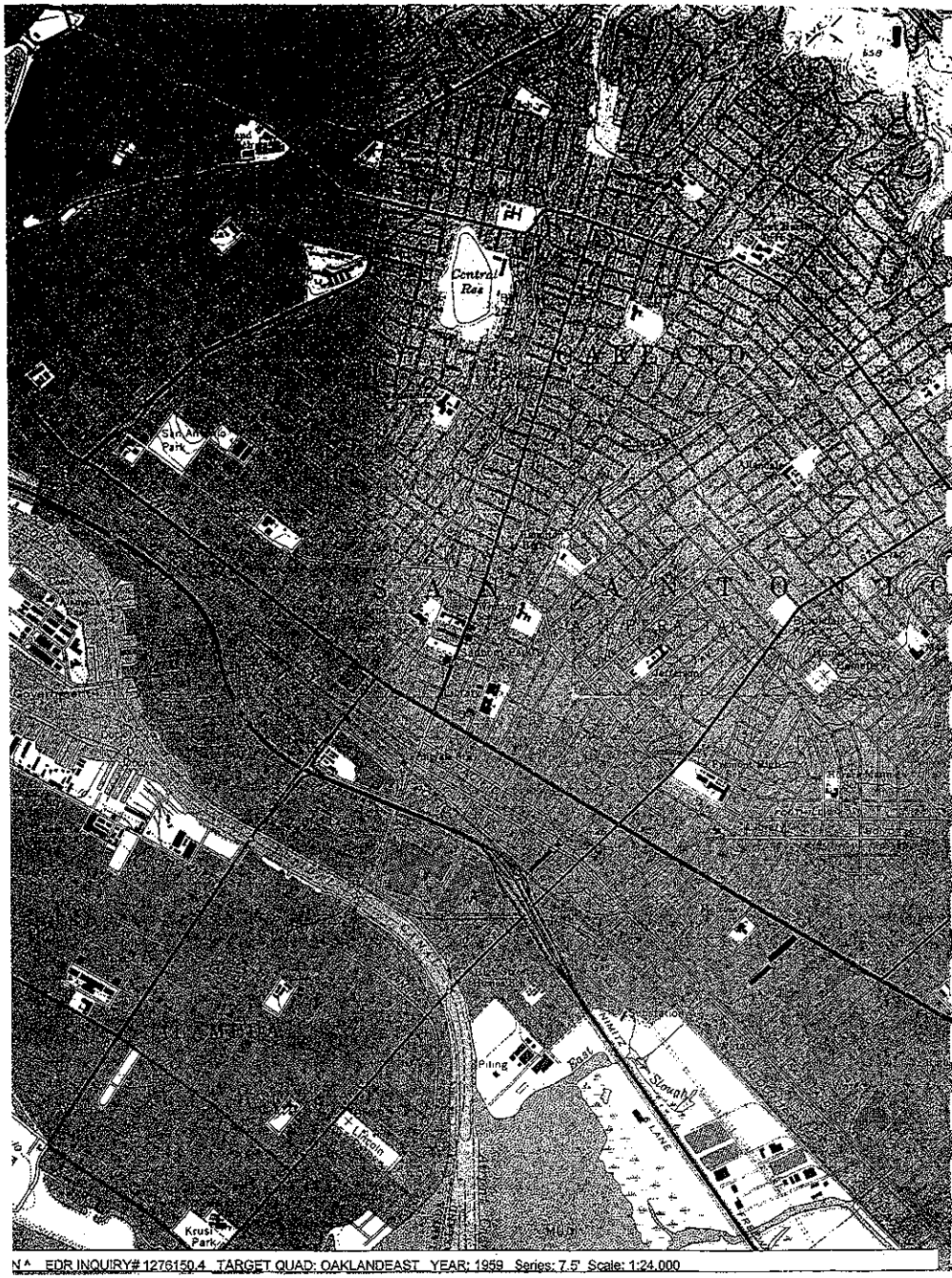

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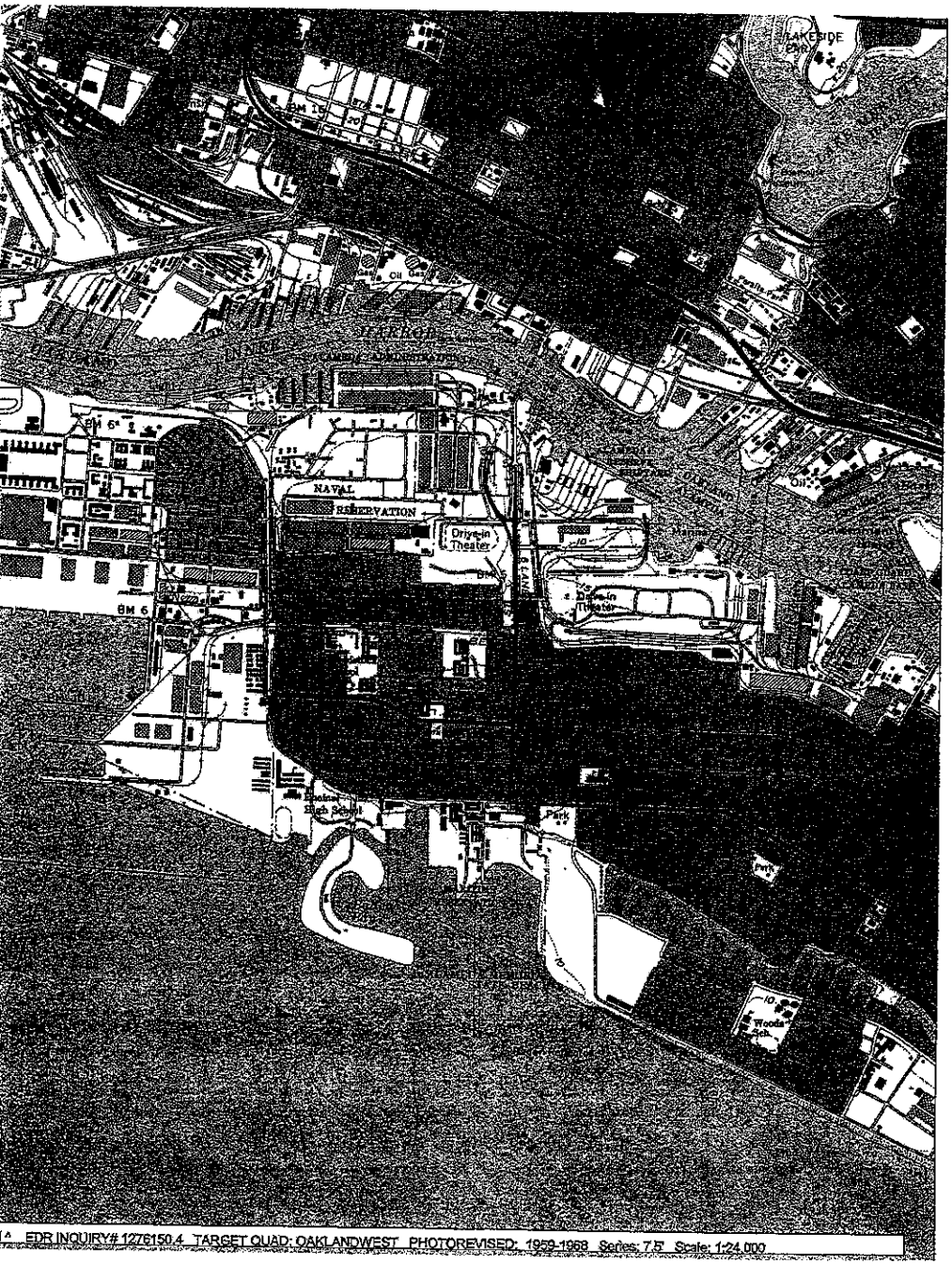

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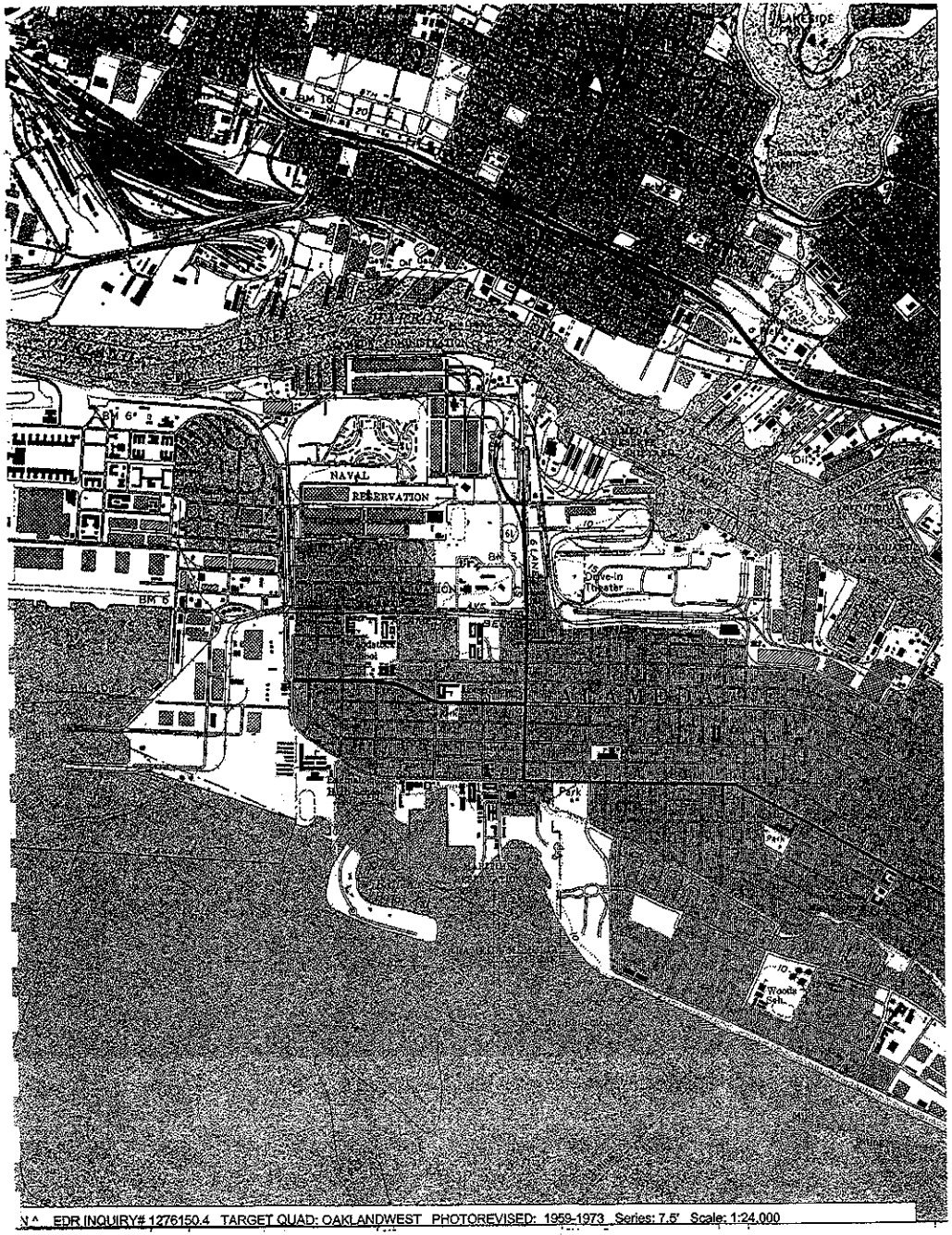

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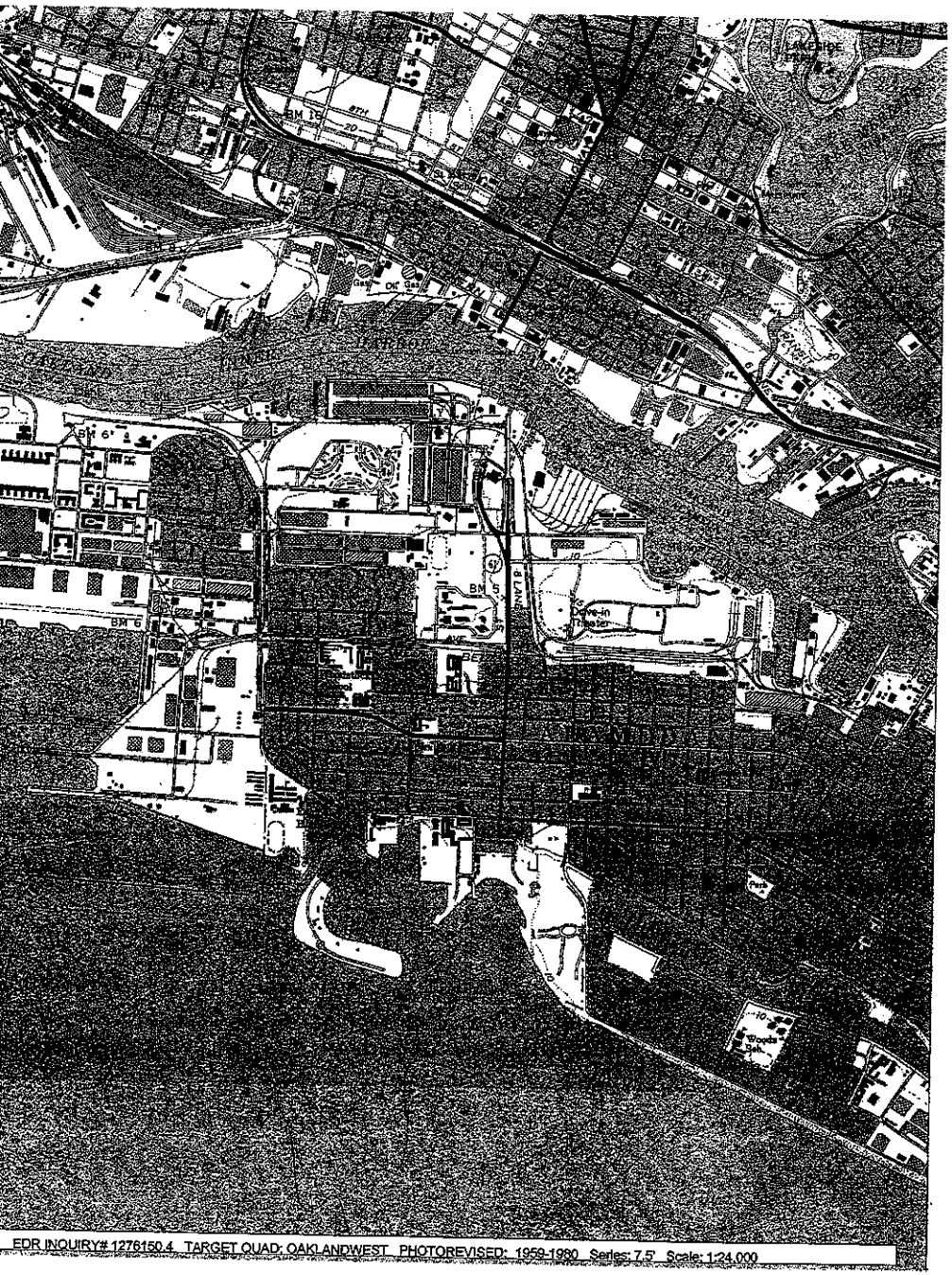

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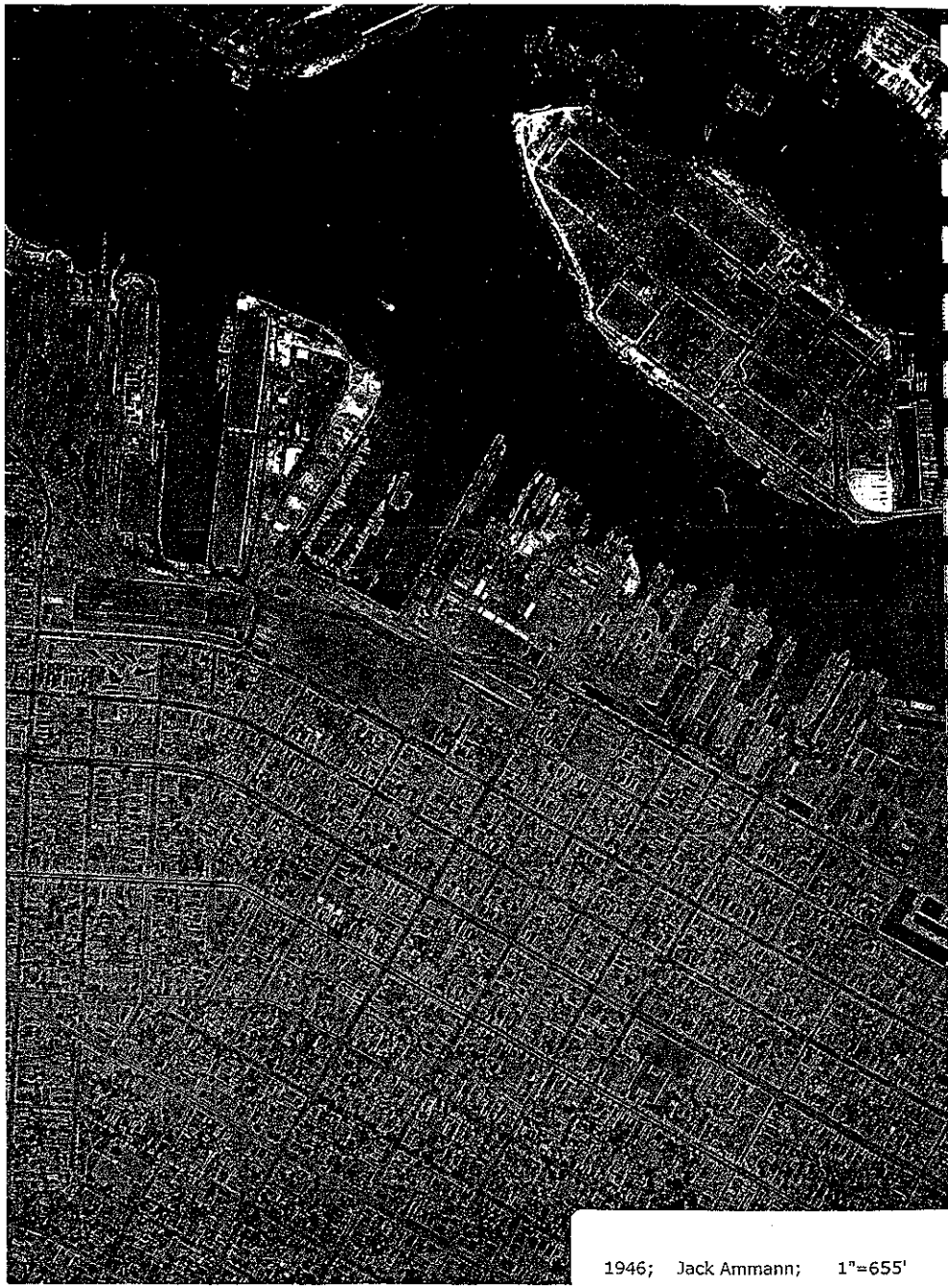
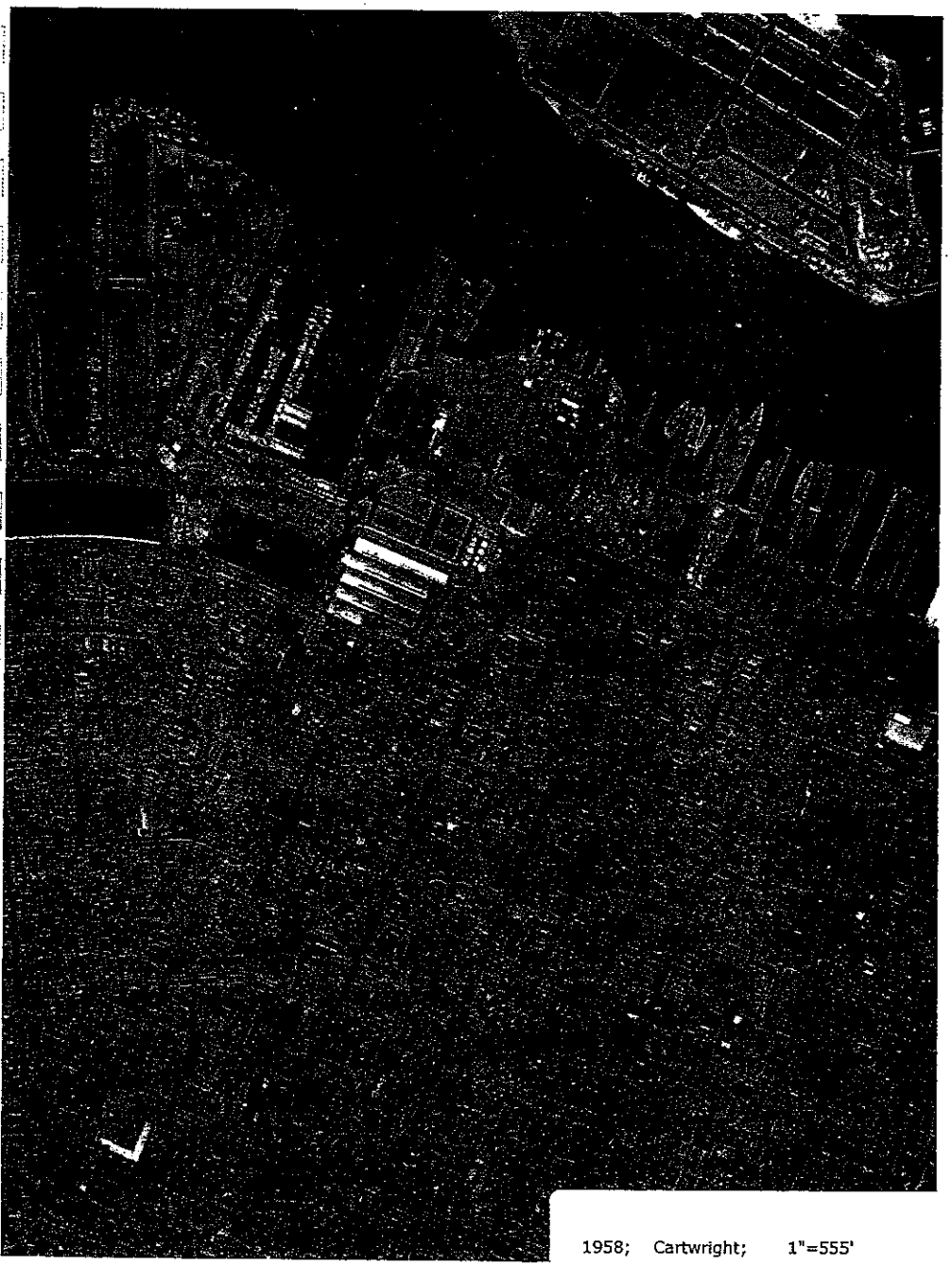
EDR INQUIRY# 1276150.4 TARGET QUAD: OAKLANDEAST PHOTOREVISED: 1959-1980 Series: 7.5' Scale: 1:24,000

1939; Fairchild; 1"=555'

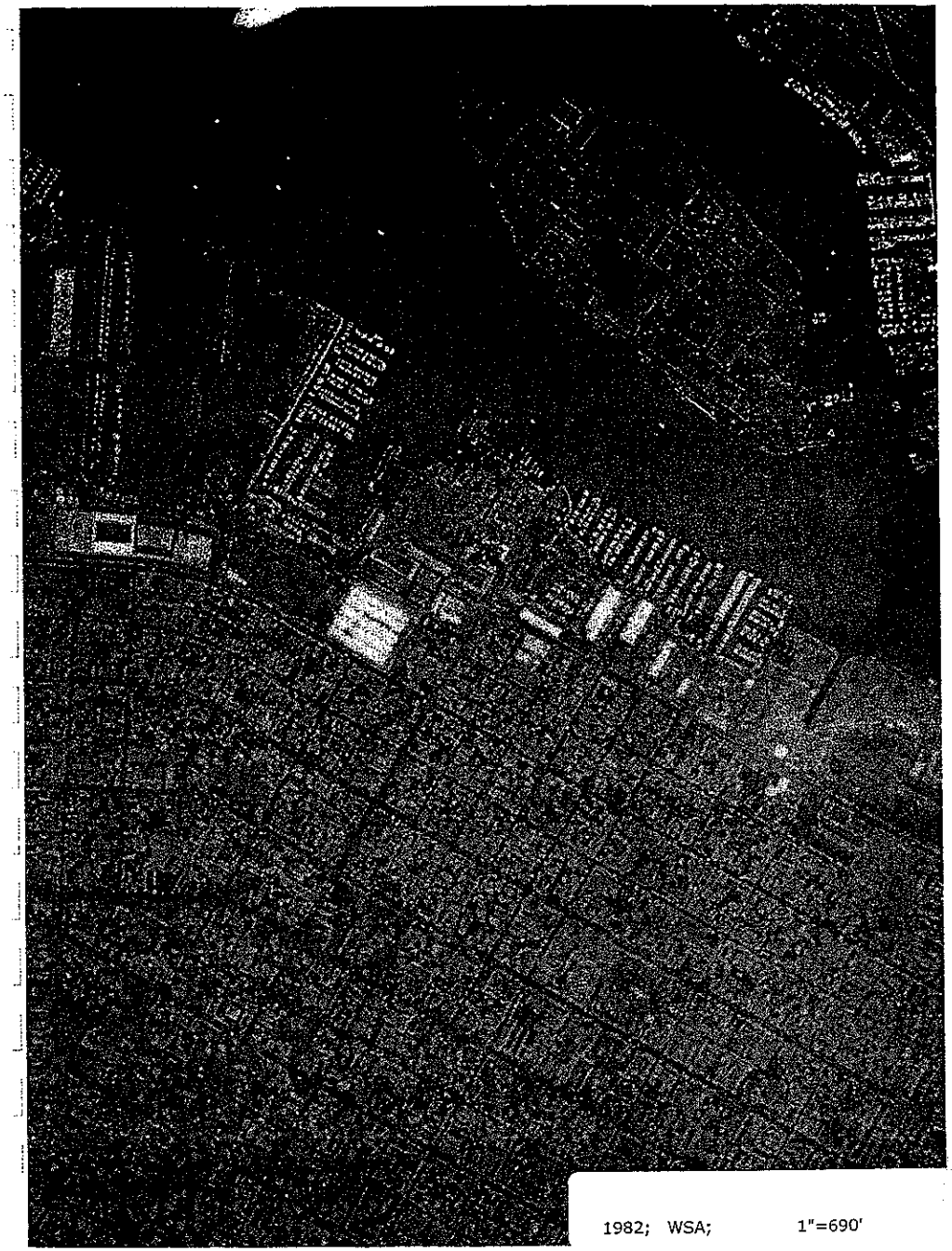


1946; Jack Ammann; 1"=655'



1958; Cartwright; 1"=555'

1965; Cartwright; 1"=333'



1982; WSA; 1"=690'

1993; USGS; 1"=666'

APPENDIX C
CITY AND COUNTY DOCUMENTS

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

StID 3820

March 16, 1999

Mr. Kurt Bolton
Harbor Master, Grand Marina
2099 Grand Marina
Alameda, CA 94501

Re: Fuel Leak Site Case Closure for Grand Marina, 2099 Grand Ave, Alameda, CA

Dear Mr. Bolton:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- up to 340ppm TPH as gasoline, 4,700ppm TPH as diesel, 12,000ppm oil and grease and 0.15ppm benzene exists in soil beneath the site;
- up to 770ppb TPHg and 300ppb benzene exists in groundwater beneath the site; and,
- a site safety plan must be prepared for construction workers in the event of excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.

If you have any questions, please contact me at (510) 567-6762.

eva chu
Hazardous Materials Specialist

enlosures: 1. Case Closure Letter 2. Case Closure Summary

c: Vivian Day, City of Alameda, Planning Dept., City Hall, Room 190
Alameda, CA 94501
files (grandmarina-3)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 3820- 2099 Grand Street, Alameda, CA
(1-1000 gallon gasoline tank removed on May 24, 1988)

March 16, 1999

Mr. Kurt Bolton
Harbor Master, Grand Marina
2099 Grand Marina
Alameda, CA 94501

Dear Mr. Bolton:

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director

cc: Richard Pantages, Chief of Division of Environmental Protection
Chuck Headlee, RWQCB
Dave Deaner, SWRCB
Steve McKinley, Alameda Fire Department
files-ec (grandmarina-2)

ENVIRONMENTAL PROTECTION

98 OCT 21 PM 2:02

r 20, 1998

art Bolton
Marina
rand Marina
la, California

Monitoring Well Destruction Letter Report
099 Grand Marina, Alameda, California
CC Project No. 98-6176-001.03

Mr. Bolton:

Environmental Consultants, Inc., (ACC) presents this letter report summarizing the on of five monitoring wells at 2099 Grand Marina, Alameda, California (Figure 1).

GROUND

roundwater monitoring wells were destroyed via pressure grouting at 2099 Grand Marina, a, California in April 1987 by Crowley Environmental. Ms. Eva Chu of Alameda County are Services (ACHCSA) authorized site closure and well decommissioning in a letter une 24, 1998.

DESTRUCTION PROCEDURES

ired by the Occupational Health and Safety Administration, 29 Code of Federal ions 1910.120, ACC prepared a site specific Health and Safety Plan for the proposed

-inch-diameter monitoring wells with total depths between 12 and 15 feet below ground (bgs) were destroyed by Environmental Control Associates of Aptos, California 95-970).

Completion Report Numbers 525492, 525493, 525494, 525663, and 525664 for missioned wells MW-2, MW-3, MW-4, MW-5a and MW-6a respectively, are attached and iled with the Department of Water Resources.

ing wells MW-2 through MW-4, as well as MW-5a and MW-6a were destroyed by removing ell box and pressure grouting each well to the total depths. The following procedures were d for the decommissioning of wells:

nonitoring wells to be abandoned were investigated prior to destruction. The depth, g diameter, and construction and sealing design of the well were ascertained. The wells e sounded immediately before destruction to determine whether there are obstructions n each wellbore that would interfere with grouting.

: Bolton
20, 1998

toring wells were destroyed by pressure grouting. A volume of cement grout ximately equal to the pore space in the annular sandpack and the inside diameter of the was introduced into each well. The top one foot of each wellbore was filled with concrete rface grade and finished to match the existing surface. A minimum of 10 gallons of grout introduced into each wellbore.

wellbore accepted the grout slurry and the grout settled uniformly. ACC believes the r sandpack accepted the grout evenly and the grout volume introduced was equal to or r than the annular pore space plus the well volume.

uttings were generated by pressure grouting.

ve any questions regarding this letter report, please call me at (510) 638-8400.

P. Southern
nvironmental Assessor

nts

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

A·C·C
ENVIRONMENTAL
CONSULTANTS

ENVIRONMENTAL
PROTECTION
98 AUG 26 PM 12: 00

August 28, 1998

Ms. Eva Chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Room 250
Alameda, California 94502

RE: Work Plan for Monitoring Well Destruction
2099 Grand Marina, Alameda, California
ACC Project No. 98-6176-001.03

Dear Ms. Chu:

On behalf of Mr. Curt Bolton, ACC Environmental Consultants, Inc., (ACC) presents this request for site closure and well abandonment Work Plan for the property located at 2099 Grand Marina, Alameda, California. (Figure 1).

BACKGROUND

The Grand Marina facility includes an office located at 2099 Grand Avenue with a marina and associated repair buildings. A 1,000-gallon UST formerly located in the southern portion of the site was used to store gasoline, and an aboveground tank (AGT) farm was operated previously on the site and used until 1989.

Preliminary site investigations were conducted on site in April 1987 by Crowley Environmental Services and Harding Lawson Associates. Work included installing six groundwater monitoring wells, W-1 through W-5 and B-7, and drilling six borings and excavating six test trenches in the vicinity of the AGT farm. In November 1987, approximately 285 tons of petroleum hydrocarbon impacted soil was excavated to a maximum depth of five feet below ground surface (bgs) from the vicinity of the AGT farm. The soils were disposed of off site. In May 1988, Uriah, Inc. removed a 1,000-gallon UST from the property. Soil adjacent to the UST was found to be impacted with petroleum hydrocarbons as gasoline (TPHg).

Ms. Eva Chu of the Alameda County Health Care Services Agency (ACHCSA) stated in a June 24, 1998 letter that the ACHCSA and the Regional Water Quality Control Board concur that no further action is necessary with regard to the underground storage tank release. Before a closure letter will be issued for the site, the monitoring wells on site must be decommissioned. ACC proposes to abandon the five monitoring wells on site by pressure grouting. The wells have total depths between 10 and 15 feet. ACC also proposes to dispose of any drums of soil or water that remain on site as a result of previous well installation and monitoring activities.

A site plan illustrating the monitoring well locations is attached as Figure 2.

7977 Capwell Drive, Suite 100 • Oakland, CA 94621 • (510) 638-8400 • FAX: (510) 638-8404
OAKLAND • LOS ANGELES • SACRAMENTO • SEATTLE

WELL DESTRUCTION PROCEDURES

Upon acceptance of final site closure by the RWQCB and approval of the workplan by ACHCSA, ACC will abandon the onsite wells. As required by the Occupational Health and Safety Administration, 29 Code of Federal regulations 1910.120, ACC has prepared a site specific Health and Safety Plan for the proposed work. The Health and Safety Plan is included as Appendix 2.

Five 2-inch-diameter monitoring wells, (MW-2, MW-3, MW-4, MW-5a and MW-6a) with total depths between 12 and 15 feet are proposed to be abandoned by Environmental Control Associates of Aptos, California (license 695-970). The permit for well abandonment will be obtained from the Alameda County Public Works Agency, Water Resources Section, prior to scheduling field activities.

The wells will be abandoned by removing each well box and pressure grouting each well to the total depths. No soil cuttings will be created.

The following procedures will be followed for each well to be abandoned.

- The monitoring wells will be investigated prior to abandonment. The depth, casing diameter, and construction and sealing design of the wells will be ascertained. The wells will be sounded immediately before abandonment to determine whether any obstructions exist within each wellbore that would interfere with grouting.
- Each monitoring well will be abandoned by pressure grouting. A volume of cement grout at least equal to the pore space in the annular sandpack and the inside diameter of the well will be introduced into each well. The top one foot of each wellbore will be filled with concrete to surface grade and finished to match the existing surface.
- Well casings will be trimmed approximately one foot below grade.
- The surface will be topped with approximately one foot of quick drying cement after ACC ensures that no grout settling has occurred in the well casing during a 30-minute interval.

After completion of abandonment, a letter report documenting procedures will be submitted to regulatory agencies.

If you have any questions or comments regarding this Work Plan, please call me at (510) 638-8400.

Sincerely,

Stephen Southern
Senior Environmental Assessor

/abp:sps

Enclosures

cc: Mr. Curt Bolton, Harbor Master, Grand Marina

AMEDA COUNTY
EALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

Remedial Action Completion Report

June 25, 1998

Jim Ritchie
Secor Corporation
1390 Willow Pass Road, Suite 360
Concord, CA – 94520-5250

Reference: **Grand Marina - 2099 Grand Avenue, Alameda, CA**

Dear Mr. Ritchie:

I am in receipt of the amended risk assessment prepared by Secor, dated October 28, 1997 for the referenced site. The site was evaluated for closure based on San Francisco Regional Water Quality Control Board's guidelines for *"Low Risk Soil Case"* and *"Low Risk Groundwater Case"*.

In April 1987 Harding and Lawson Associates conducted a soil and groundwater investigation in the vicinity of the above ground storage tank and significant concentrations of petroleum hydrocarbons, as diesel and oil were identified on site. Based on the results of the investigation, approximately 285 tons of petroleum hydrocarbon soil was removed to a maximum depth of five feet below ground surface.

On January 21 and January 22, 1992, the above ground storage tanks which were used to store petroleum hydrocarbons in the range of diesel and oil were removed by Zaccor Corporation. Subsequently, Zaccor installed twelve borings in the vicinity of the ASTs and the investigation revealed that the greatest diesel concentrations in the soils was present at depths of two feet beneath the AST farm floor and beneath the former pump house. Additional borings were [illegible] the tank farm perimeter and significant concentrations of both diesel and oil and grease were identified. ~~However no gasoline or BTEX was identified in the soil samples.~~ Four monitoring wells, MWI to MW4 were also installed on site.

In October 1993, additional soil and groundwater investigation was performed by Secor to delineate the extent of contamination on site. Seventeen soil borings were advanced to depths ranging from five to thirteen feet and both soil and groundwater samples were collected. In the soil samples, diesel and gasoline were present up to 800 ppm and 13 ppm respectively, but no benzene was detected. In the grab groundwater samples, diesel was found up to 450,000 ppb, However no gasoline or benzene was detected.

In October 1994, four additional monitoring wells, MW-5 and MW-8 was installed to delineate the extent of groundwater plume. Based on the groundwater monitoring conducted until June 1996, and

[illegible] concentrations of diesel found in the monitoring wells, the plume appears to be stable. Also, except for monitoring well, MW-2, no BTEX have been identified in any of the monitoring wells. The source of the BTEX observed in monitoring well MW-2, is the 1000-gallon underground storage tank located approximately 300 feet south of the AST, and is being investigated separately. The release from the gasoline tank appears to be naturally attenuating and is also being recommended for closure as a low risk groundwater case

In August 1996, a risk assessment was submitted to this Department, which was amended and re-submitted in October 1997. Based on the results of the risk assessment, the plume stability, and absence or insignificant gasoline and BTEX concentrations, **the petroleum hydrocarbons identified around the area of the former above ground storage tank area does not cause an unacceptable risk to public health and no further action is required.**

If you have any questions, you may reach me at (510) 567-6764.

Sincerely,

Madhulla Logan

Madhulla Logan
Hazardous Material Specialist

CC:, **Derek Lee**, San Francisco Regional Water Quality Control Board, Oakland, CA

RO file # 01-0288

[illegible] CALIFORNIA REGIONAL WATER

[illegible] MAY 11 1998

[illegible] CONTROL BOARD

[illegible] April 13, 1998

[illegible] HazMat   Address: 1131 Harbor Bay Pkwy
[illegible] 94502   Phone: (510) 567-6700
[illegible] Madhulla Logan   Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Grand Marina
Site facility address: 2099 Grand Street, Alameda, CA - 94501
RB LUSTIS Case No: N/A   Local Case No./LOP Case No.:3820
URF filing date: SWEEPS No: N/A

Responsible Parties:	Addresses:	Phone Numbers:
Norman Gentry	2099 Grand Marina, Alameda, CA - 94501	865-1200

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1000 gallon	gasoline	removed	5/24/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Overspill, gasoline
Site characterization complete? Yes
Date approved by oversight agency: March 5, 1998
Monitoring Wells installed? Yes   Number: 5 (relating to the UST)
Proper screened interval? Yes
Highest GW depth below ground surface: 6ft   Lowest depth: 0.4
Flow direction: predominantly north to north east
Most sensitive current use: next to Bay (approx 400 ft from UST)
Are drinking water wells affected? No   Aquifer name:
Is surface water affected? No   Nearest affected SW name:
Off-site beneficial use impacts (addresses/locations):

Report(s) on file? YES   Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treat[illegible] [illegible]cted Material:

Mater[illegible]	Action (Treatment or Disposal w/destination)	Date
Tank [illegible]	Disposed by H&H - LMC Corp, Richmond, CA	5/25/88

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) Before[1]	Soil (ppm) After[3]	Water (ppb) Before[2]	Water (ppb) After[4]
TPH (Gas)	730	340	29000	770
TPH (Diesel)	N/A	4700	1200	
Benzene	0.3	0.15	4000	300
Toluene	0.3	0.87	11,000	15
Ethylbenzene	ND	1.0	500	7.6
Xylenes	0.7	5.8	2900	31
Oil & Grease	-	12000	ND	-
Heavy metals	-	-	NA	-

1. The before soil samples are those taken during tank removal at 4.5' bgs No confirmation samples were collected since no documentation of overexcavation
2. The before water samples are those taken from the MW-2 in 5/92
3. The after soil samples are max conc in borings,TP1 to TP9 installed 5/92 at 4.5'bgs
4. The results from the recent monitoring event (March 1996)

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? ______________
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? ______________
Does corrective action protect public health for current land use? YES
Site management requirements: **A site safety plan must be prepared for construction workers in the event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.**
Should corrective action be reviewed if land use changes? YES
Monitoring wells Decommissioned: No
Number Decommissioned: 0   Number Retained: 5 with subject to UST, but a total of 10 exists on site
List enforcement actions taken: N/A
List enforcement actions rescinded: N/A

V. [redacted] REPRESENTATIVE DATA

Name: [redacted] Title: Haz Mat Specialist

Signature: Date:

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

Signature: Barney Chan Date: 4/8/98

Name: Thomas Peacock Title: Supervisor

Signature: Thomas Peacock Date: 4-17-98

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:

RWQCB Staff Name: Chuck Headlee Title: ~~AWRE~~ 56

Signature: Chuck Headlee Date: 5/14/98

VII. ADDITIONAL COMMENTS, DATA, ETC.

Subsequent to a removal of 1000 gallon gasoline underground storage tank in May 1988, two samples were collected from either ends of the tank and analyzed for gasoline and BTEX. The tank was observed to contain scaling and pitting, but no holes were found. A heavy dark sheen was observed floating on the water within the pit. Gasoline up to 730 ppm and benzene up to 0.3 ppm was detected in the samples. There is no documentation that overexcavation was done on site.

In May 1992, nine soil borings, Tp-1 to Tp-9 were advanced around the area of the former UST, and in the area between the tank pit and the above ground tank farm (that is being investigated concurrently further northwest of the site and the summary for which is given below). Gasoline up to 340 ppm, benzene up to 0.15 ppm, diesel up to 4100 ppm and oil and grease up to 12,000 ppm was identified in the samples. Out of the four monitoring wells installed on-site to delineate the extent of contamination in the groundwater from both the above ground tank farm and the UST, two wells, MW-2 and MW-3 were installed in the vicinity of the former UST. The groundwater samples collected from monitoring well, MW-2 contained the maximum concentrations of petroleum hydrocarbons; gasoline at 29000 ppb, benzene at 4000 ppb and diesel at 1200 ppb.

In October [redacted] additional borings were converted to monitoring wells, MW-5a and [redacted] samples collected from the borings contained up to 500 ppm of oil and [redacted] and did not indicate the presence of gasoline or BTEX above the detection limits. Groundwater samples did not contain any gasoline, benzene or diesel above detection limits. However, up to 1 ppm of oil and grease was detected in monitoring well, Mw-6a.

Groundwater monitoring of wells, MW2, MW3, MW4, MW5a and MW6a was performed at quarterly intervals starting from November 1994. After three quarters, MW5a and MW3 were removed from the monitoring schedule based on the below detection concentrations observed in these wells. The rest of the wells were monitored up to March 1996 at quarterly intervals. Based on the results of the groundwater samples, the groundwater plume appears to be stable. A risk assessment was prepared for the site based on ASTM's Risk Based Corrective Action methodology (RBCA) based on a commercial use scenario. **Based on the risk assessment, the petroleum hydrocarbons identified around the area of the former underground storage tank does not cause an unacceptable risk to public health.**

Summary of Previous Investigations Conducted in the Aboveground Tank Farm Area (Maps and Tables attached)

In April 1987 Harding and Lawson Associates conducted a soil and groundwater investigation in the vicinity of the former above ground storage tank area and significant concentrations of petroleum hydrocarbons, as diesel and oil were identified on site. Based on the results of the investigation, approximately 285 tons of petroleum hydrocarbon soil was removed to a maximum depth of five feet below ground surface.

On January 21 and January 22, 1992, the above ground storage tanks which were used to store petroleum hydrocarbons in the range of diesel and oil were removed by Zaccor Corporation. Subsequently, Zaccor installed twelve borings in the vicinity of the ASTs and the investigation revealed that the greatest diesel concentrations in the soils were present at depths of two feet beneath the AST farm floors and beneath the former pump house. Additional borings were augured outside the tank farm perimeter and significant concentrations of both diesel and oil and grease were identified. However, no gasoline or BTEX was identified in the soil samples. Four monitoring wells, MW1 to MW4 were also installed on site.

In October 1993, additional soil and groundwater investigation was performed by Secor to delineate the extent of contamination on site. Seventeen soil borings were advanced to depths ranging from five to thirteen feet and both soil and groundwater samples were collected. In the soil samples, diesel and gasoline were detected up to 800 ppm and 13 ppm respectively, but no benzene was detected. In the grab groundwater samples, diesel was found up to

450,000 ppb, however, no gasoline or benzene was detected.

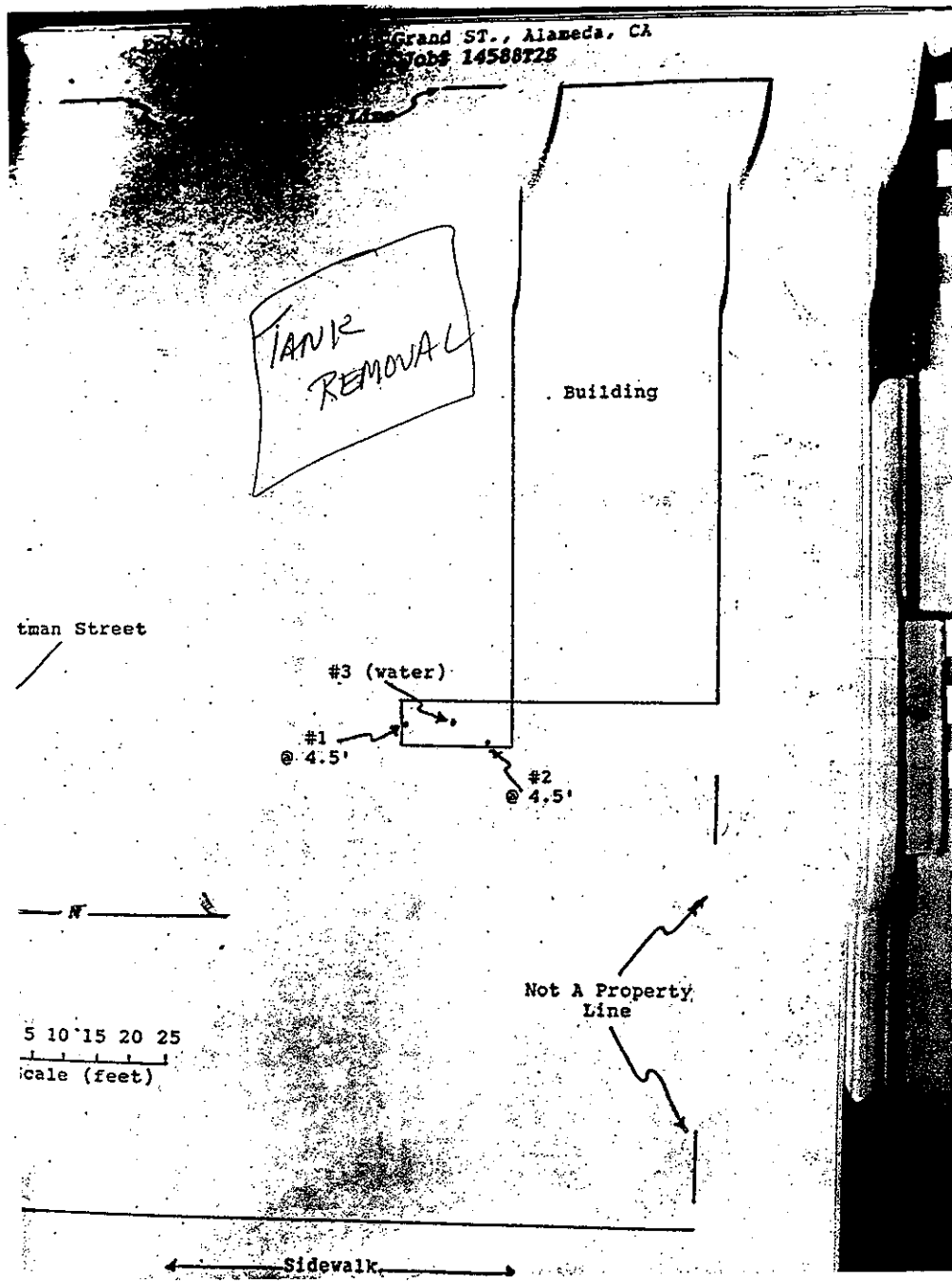
In October 1994, four additional monitoring wells, MW-5 through MW-8 were installed to define the extent of the groundwater plume. Based on the groundwater monitoring conducted until June 1996, and the concentrations of diesel found in the monitoring wells, the plume appears to be stable. Also, except for monitoring well, MW-2, BTEX have not been identified in any of the monitoring wells. The source of the BTEX observed in monitoring well MW-2, is the 1000-gallon underground storage tank located approximately 300 feet south of the AST which is discussed above.

In August 1996, a risk assessment was submitted to this Department, which was amended and re-submitted in October 1997. Based on the results of the risk assessment, the plume stability, and insignificant concentrations of gasoline and BTEX, the petroleum hydrocarbons identified around the area of the former above ground storage tank area does not cause an unacceptable risk to public health

Rationale for Closure

In summary, case closure is recommended for both the UST and the AST related contamination because:

- the tanks (both the UST and the AST) have been removed;
- the site has been adequately characterized;
- the dissolved plume does not appear to be migrating; the plume appears to be stable
- no water wells, surface water, or other sensitive receptors are likely to be impacted due to plume stability (no increasing trends have been observed in the monitoring wells)
- the site presents no significant risk to human health or the environment.
- The site has experienced petroleum fuel releases from both the 1K gasoline tank and the seven aboveground tanks, sumps and piping. The release appears to be naturally attenuating and is recommended for closure as a low risk groundwater case. The elevated oil and grease and diesel found near the UST is likely a result of past usage of the site as a shipyard, lumberyard, warehousing, oil distribution and vegetable oil storage.



Mobile Organics Lab

Avenue
CA 94070 • (415) 591-5820

Samples Results
- Tank Removal
- UST

Environmental Services Inc.
BOX 3833
to,CA 95352

Date Sampled:05-24-88
Date Received:05-24-88
Date Reported:05-25-88

Sample Number	Sample Description
058091	14586T2S -Alameda Grand St.-Encino Marina # 2 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
l Petroleum Hydrocarbons asoline	1	730
Be ene	0.1	0.3
To ene	0.1	0.3
Xy nes	0.1	0.7
Ethy lbenzene	0.1	<0.1

: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

AT

ld G. Evans
Director

Mobile Organics Lab

Environmental Services Inc.
BOX 3833
to,CA 95352

Date Sampled:05-24-88
Date Received:05-24-88
Date Reported:05-25-88

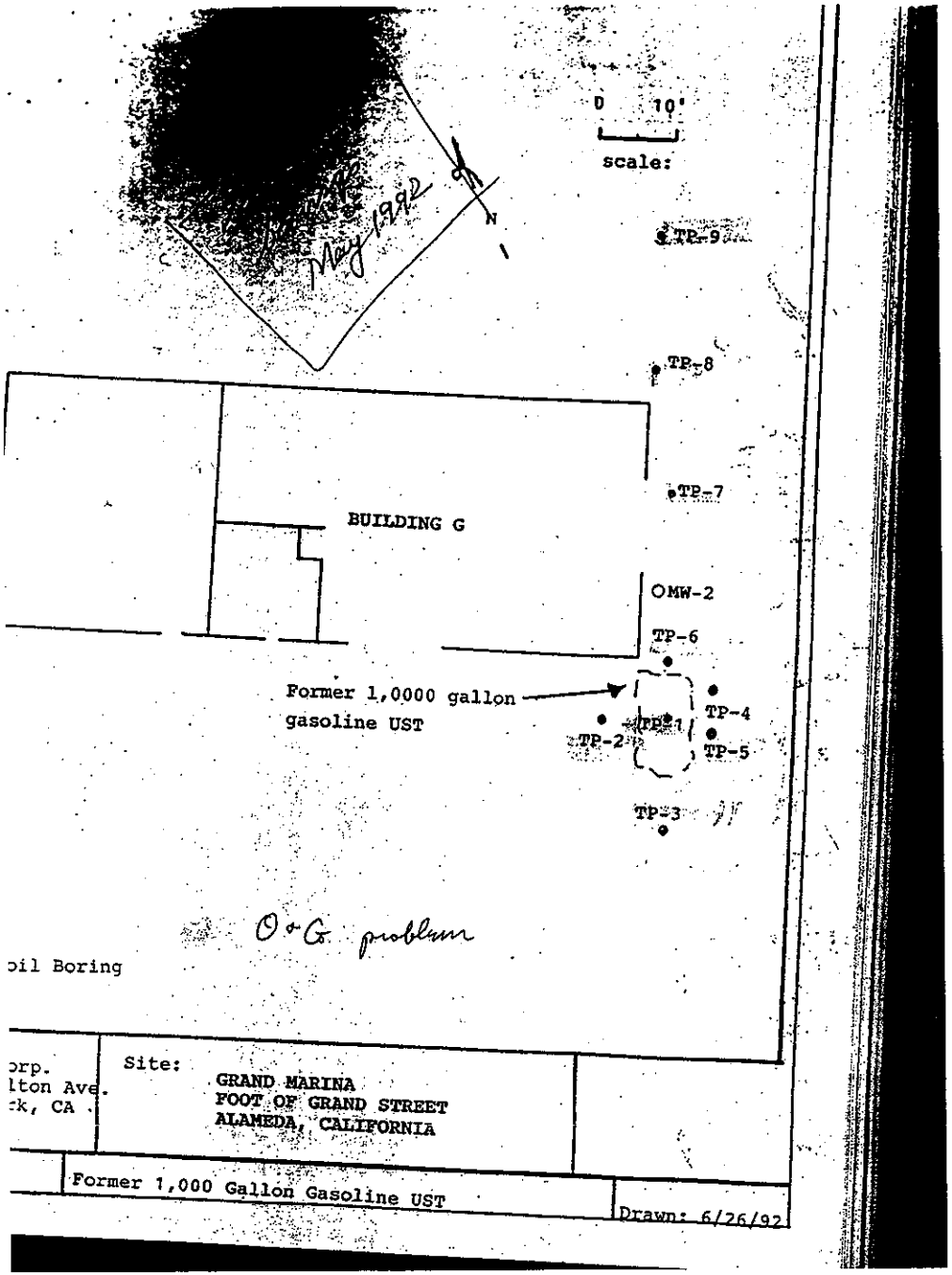
Sample Number	Sample Description
058090	14586T2S -Alameda Grand St.-Encino Marina # 1 SOIL

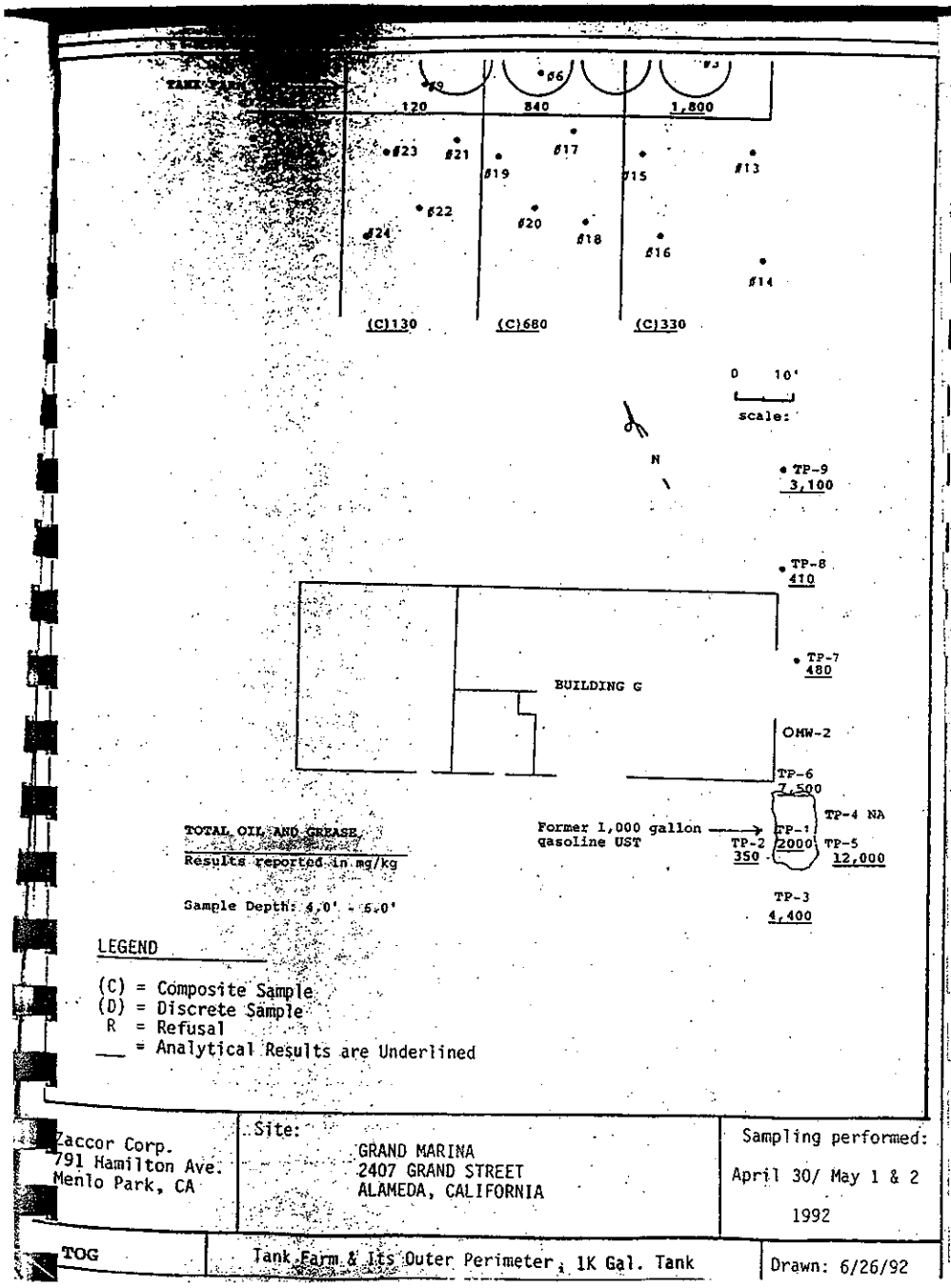
ANALYSIS

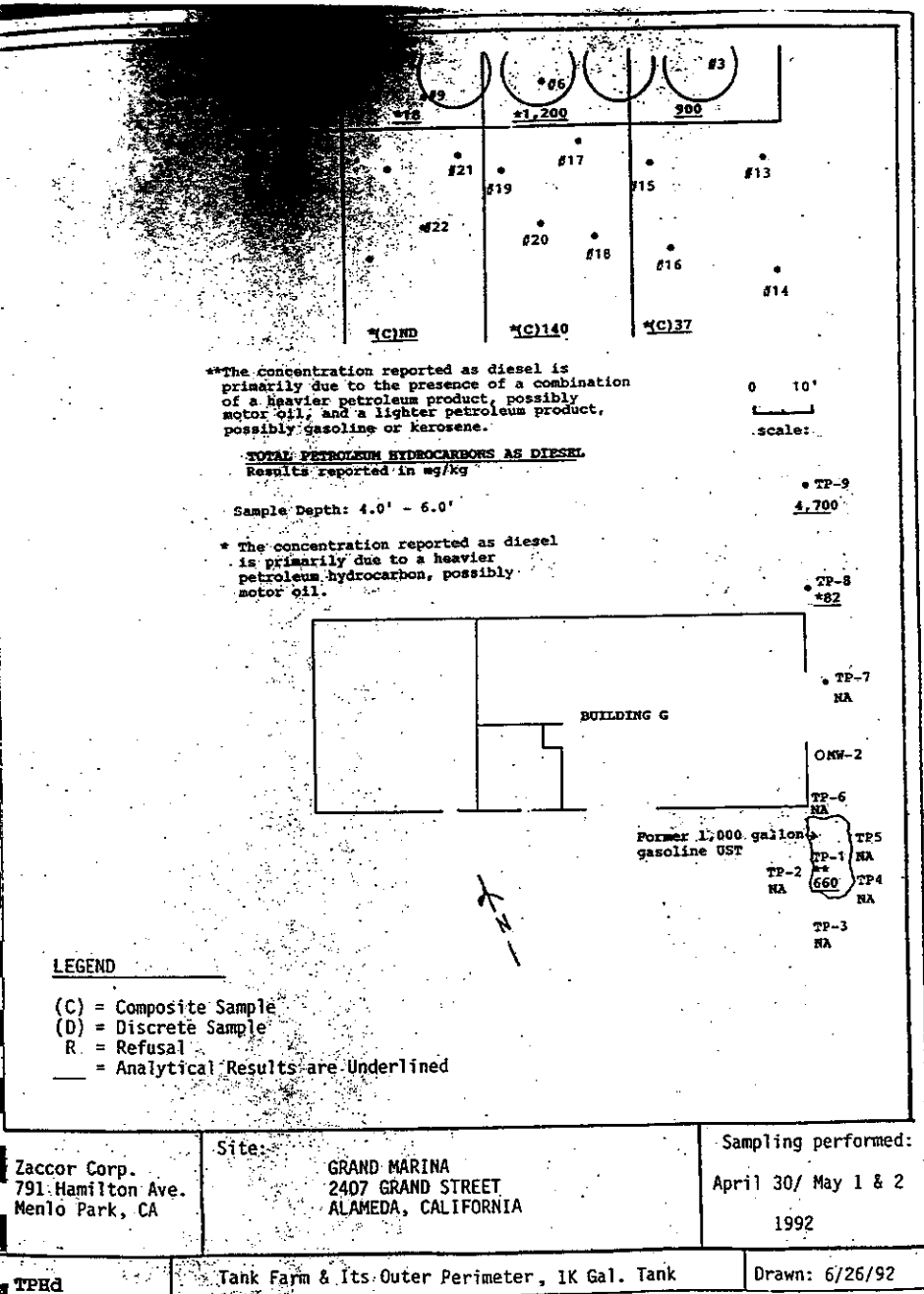
	Detection Limit	Sample Results
	ppm	ppm
Petroleum Hydrocarbons oline	1	<1.0
B e	0.1	<0.1
T e	0.1	<0.1
X s	0.1	<0.1
E nzene	0.1	<0.1

alysis was performed using EPA methods 5020 and 8015 with thod 8020 used for BTX distinction.

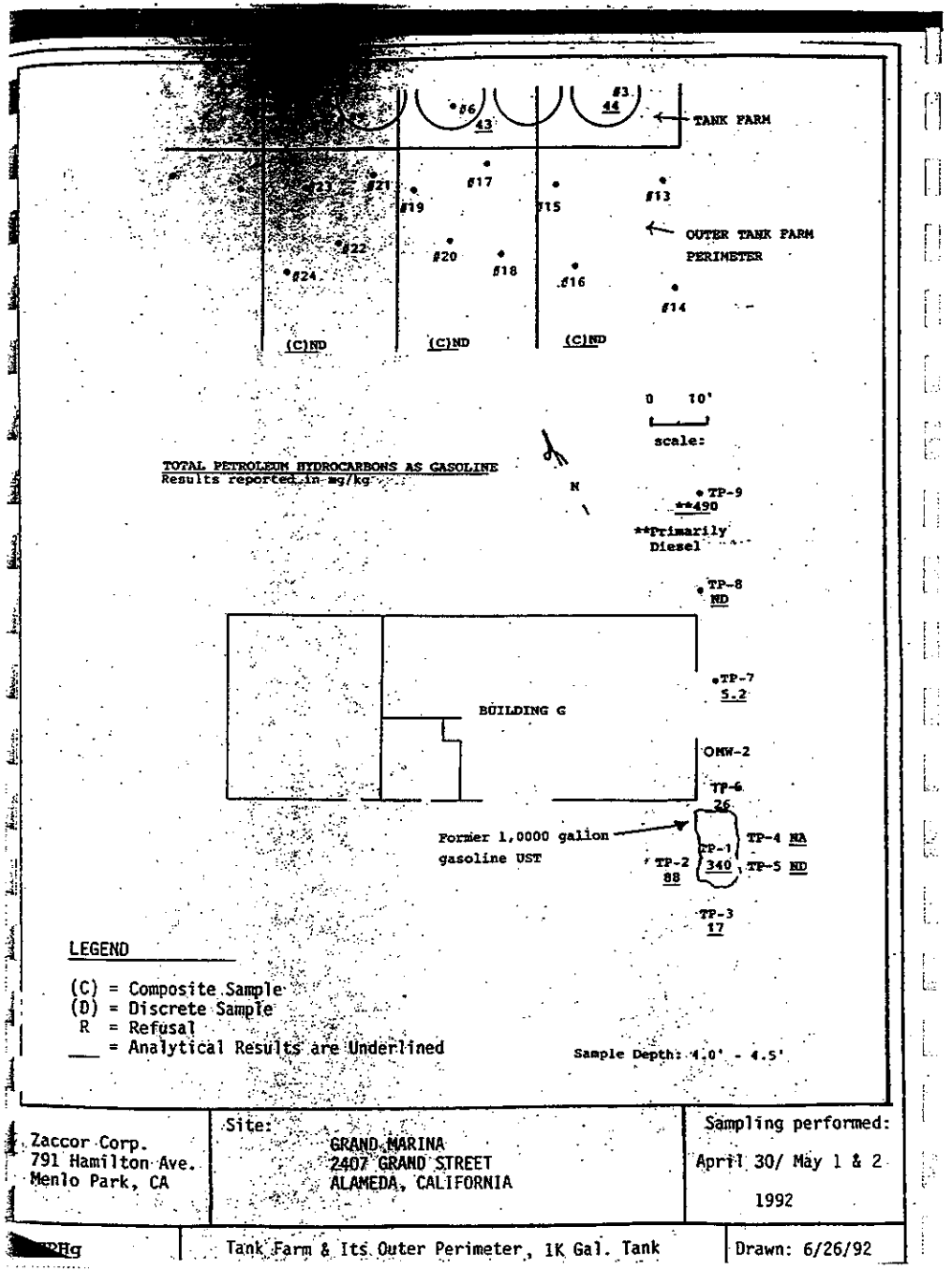
G. Evans
rector


0 10'
scale:
N
TP-9
TP-8
TP-7
BUILDING G
MW-2
TP-6
Former 1,0000 gallon
gasoline UST
TP-1
TP-2
TP-4
TP-5
TP-3
O&G problem
oil Boring
orp.
lton Ave.
ck, CA
Site:
GRAND MARINA
FOOT OF GRAND STREET
ALAMEDA, CALIFORNIA
Former 1,000 Gallon Gasoline UST
Drawn: 6/26/92


TANK FARM
#9
#6
#3
120
840
1,800
#23
#21
#19
#17
#15
#13
#22
#20
#18
#16
#14
#24
(C)130
(C)680
(C)330
0 10'
scale:
N
TP-9
3,100
TP-8
410
TP-7
480
BUILDING G
MW-2
TP-6
7,500
TP-4 NA
TP-1
2000
TP-5
12,000
TP-2
350
TP-3
4,400
Former 1,000 gallon
gasoline UST
TOTAL OIL AND GREASE
Results reported in mg/kg
Sample Depth: 4.0' - 5.0'
LEGEND
(C) = Composite Sample
(D) = Discrete Sample
R = Refusal
___ = Analytical Results are Underlined
Zaccor Corp.
791 Hamilton Ave.
Menlo Park, CA
Site:
GRAND MARINA
2407 GRAND STREET
ALAMEDA, CALIFORNIA
Sampling performed:
April 30/ May 1 & 2
1992
TOG
Tank Farm & Its Outer Perimeter, 1K Gal. Tank
Drawn: 6/26/92



Zaccor Corp. 791 Hamilton Ave. Menlo Park, CA	Site: GRAND MARINA 2407 GRAND STREET ALAMEDA, CALIFORNIA	Sampling performed: April 30/ May 1 & 2 1992
TPHd	Tank Farm & Its Outer Perimeter, 1K Gal. Tank	Drawn: 6/26/92



Zaccor Corp. 791 Hamilton Ave. Menlo Park, CA	Site: GRAND MARINA 2407 GRAND STREET ALAMEDA, CALIFORNIA	Sampling performed: April 30/ May 1 & 2 1992
TPHg	Tank Farm & Its Outer Perimeter, 1K Gal. Tank	Drawn: 6/26/92

TABLE [redacted]

SOIL SAMPLES/PREVIOUS 1,000 GALLON GASOLINE TANK

Matrix: Soil Depth: 4.0' - 4.5'
Results are reported in mg/kg

Date Sampled: 5/1/92

Sample	TPHg	B	T	E	X
TP1	340	ND	0.87	1.0	2.1
TP2	88	ND	0.54	0.34	0.59
TP3	17	0.15	0.18	0.131	0.40
TP5	ND	ND	ND	ND	ND
TP6	26	ND	0.088	0.20	0.64
TP7	5.2	ND	0.013	0.059	0.15
TP8	ND	ND	ND	ND	ND
TP9	*490	ND	ND	ND	5.8

*The concentration reported as gasoline for sample TP-9 is primarily due to the presence of a heavier petroleum product, possibly diesel or kerosene.

TABLE Vb

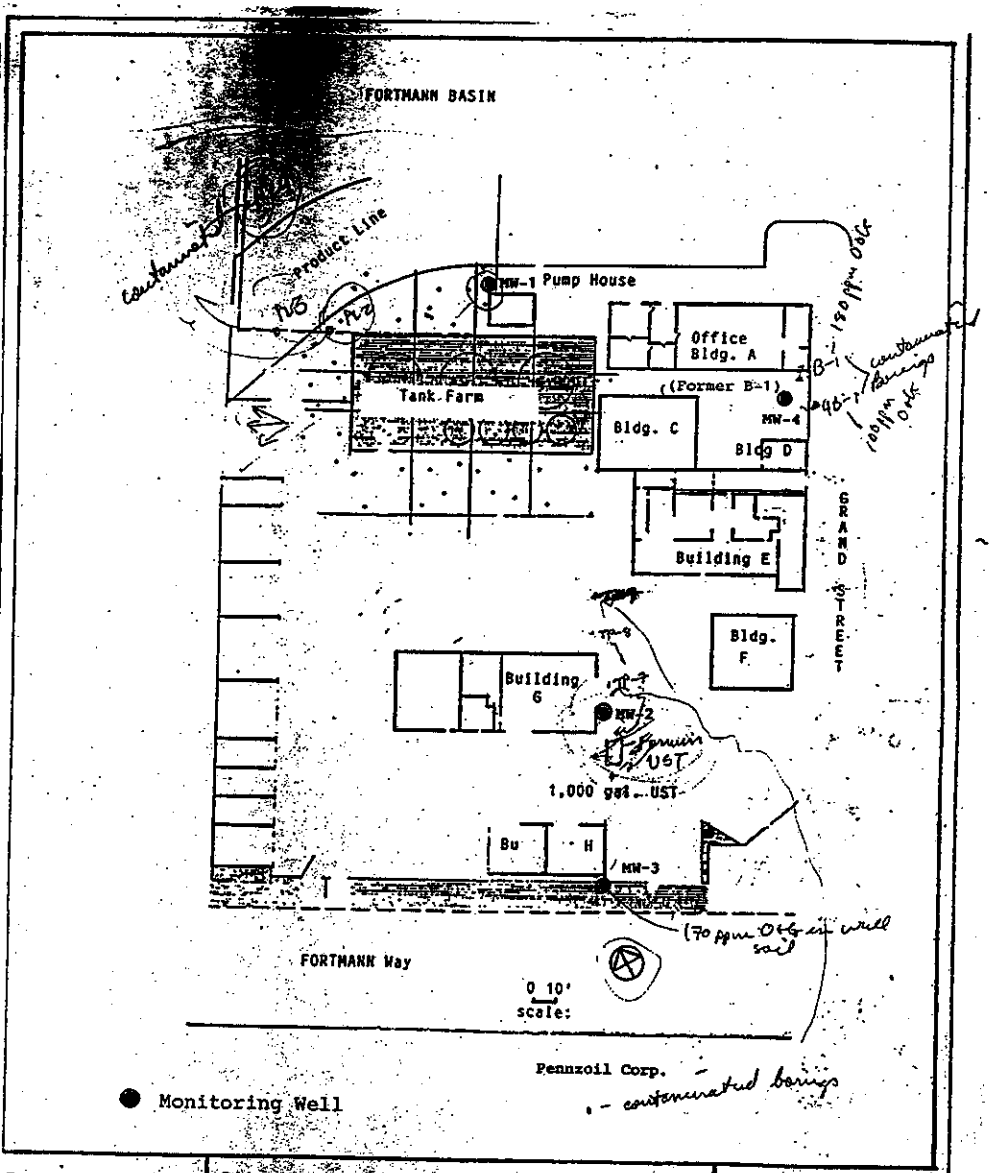
SOIL SAMPLES/PREVIOUS 1,000 GALLON GASOLINE TANK

Matrix: Soil Depth: 4.0' - 4.5'
Results are reported in mg/kg

Date Sampled: 5/1/92

Sample	TPH as Diesel	Total Oil & Grease
TP-1	**660	2000
TP2	NA	3500
TP3	NA	4400
TP5	NA	12000
TP6	NA	7500
TP7	NA	480
TP8	*82	410
TP9	4700	3100

**The concentration reported as diesel for sample #TP-1 is due to the presence of a combination of a heavier petroleum product, possibly motor oil, and a lighter petroleim product, possibly gasoline or kerosene.



Zaccor Corp. 791 Hamilton Ave Menlo Park, CA	Site: GRAND MARINA 2407 GRAND STREET ALAMEDA, CALIFORNIA	
Figure 7.	Location of Monitoring Wells	Drawn: 6/28/92

Soil samples MW's

TABLE VIII

MONITORING WELL SOIL ANALYTICAL RESULTS

Date Sampled: 5/4/92 Results reported in mg/kg

Sample	Depth	TPH-g	B	T	E	X
MW-1	4.0'-4.5'	ND	ND	ND	ND	ND
MW-1	10.0'-10.5'	NA	NA	NA	NA	NA
MW-1	15.0'-15.5'	NA	NA	NA	NA	NA
MW-2	4.0'-4.5'	19	0.24	0.62	0.050	0.26
MW-2	10.0'-10.5'	NA	NA	NA	NA	NA
MW-2	16.0'-16.5'	NA	NA	NA	NA	NA
MW-3	6.0'-6.5'	ND	ND	ND	ND	ND
MW-3	10.0'-10.5'	NA	NA	NA	NA	NA
MW-4	10.0'-10.5'	NA	NA	NA	NA	NA
MW-4	15.0'-15.5'	NA	NA	NA	NA	NA

TABLE VIIIb

MONITORING WELL SOIL ANALYTICAL RESULTS

Date Sampled: 5/4/92 Results reported in mg/kg

Sample#	Depth	TPH as Diesel	Total Oil & Grease
MW-1	4.0'-4.5'	970	2,400
	Adjacent Tank Farm		
MW-1	10.0'-10.5'	NA	NA
MW-1	15.0'-15.5'	NA	NA
MW-2	4.0'-4.5'	150	57
MW-2	10.0'-10.5'	NA	NA
MW-2	16.0'-16.5'	NA	NA
MW-3	6.0'-6.5'	ND	170
MW-3	10.0'-10.5'	NA	NA
MW-4	10.0'-10.5'	NA	NA
MW-4	15.0'-15.5'	NA	NA

TABLE IX

Initial GW Samples

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS

Date Samples: 5/4/92
Results are reported in ug/L, except TOG reported in mg/kg

Sample	TPH-g	B	T	E	X
MW-1	ND	ND	0.8	ND	1.3
MW-2	29,000	4,000	11,000	500	2,900
MW-3	ND	ND	1.0	ND	ND
MW-4	ND	ND	ND	ND	ND

Sample#	TPH as Diesel (ppb)	Total Oil & Grease (mg/kg)
MW-1	ND	ND
MW-2	1,200 e	ND
MW-3	120	ND
MW-4	150	ND

3.0 FIELD PROCEDURES

After receiving approval for the permit application from the Water Conservation and Flood Control District - Zone 7, borings MW-5a and MW-6a were drilled on October 28, 1994 using a B-53 mobile drill rig equipped with 8-inch outside diameter hollow-stem augers. Concurrent with drilling, subsurface soil samples were obtained with a Modified California Split Spoon Sampler equipped with three six-inch long brass/stainless steel liners. Borings MW-5a and MW-6a were drilled to a total depth of 12 feet bgs. Figure 2 - Site Plan, illustrates the new and existing monitoring well locations.

The sampler and brass liners were pre-cleaned prior to use and between sample drives by washing them with a trisodium phosphate (TSP) and potable water solution, a potable water rinse, and distilled water rinse.

Soil samples were collected every three feet, at any noted changes in lithology and at the approximate soil/groundwater interface. Subsurface soil samples were obtained by drilling to the approximate sampling location and driving the sampler eighteen inches into undisturbed material. Upon removal, each sample was labeled, and stored in an ice-filled cooler to be transported under chain of custody to Chromalab, Inc., a state certified laboratory.

3.1 Analytical Results - Soil

A minimum of one soil sample collected from each boring was submitted to Chromalab for analysis of TPH as gasoline with benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Test Method 8015/8020, TPH as diesel by EPA test method 8015-Modified and total oil and grease by EPA test method 5520 E & F. Results of the soil sample analyses are summarized below, in Table 1. Analytical results with chain-of-custody form are attached as Appendix A.

TABLE 1 - Sample Results - Soil

Sample No.	Depth (feet)	TPHg (ppm)	BTEX (ppm)	Oil & Grease (ppm)	TPH as diesel (ppm)
MW5a - 3.5	3.5	<1.0	<0.005	500	<1.0
MW5a - 4.5	4.5	<1.0	<0.005	79	<1.0
MW6a - 3	3	<1.0	<0.005	<50	<1.0

Notes: TPHg = Total Petroleum Hydrocarbons as gasoline
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
TPH = Total Petroleum Hydrocarbons
ppm = parts per million

Soil Samples for MW-5a & -6a

The soil cuttings and samples were logged by an ACC geologist during drilling operations. The soil cuttings are described in accordance with the Unified Soil Classification System. Lithologic logs of the borings and the Unified Soil Classification System are attached in Appendix B. Soil cuttings were placed in labeled drums pending laboratory analysis for determining appropriate disposal.

4.2 Analytical Results - Groundwater

Groundwater samples were collected from the monitoring wells on May 9, 1995. The groundwater samples collected were submitted to Chromalab for analysis of TPH as gasoline with BTEX.

Analysis results from the groundwater samples are illustrated in Table 3. Copies of the analytical results are attached in Appendix B.

For all wells upto 5/95

TABLE 3 - Sample Results - Groundwater

Well No.	Date Sampled	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	E.benzene (ug/L)	Xylenes (ug/L)	TPHd (ug/L)	O&G (mg/L)
MW2	11/03/94	5400	510	670	65	320	<50	<50
	02/06/95	1900	360	230	20	100	NA	NA
	05/09/95	2200	550	350	28	120	NA	NA
MW3	11/03/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<50
	02/06/95	NA	NA	NA	NA	NA	NA	NA
	05/09/95	NA	NA	NA	NA	NA	NA	NA
MW4	11/03/94	NA	NA	NA	NA	NA	NA	NA
	02/06/95	80	<0.5	<0.5	<0.5	<0.5	NA	NA
	05/09/95	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW5a	11/03/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<1
	02/06/95	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
	05/09/95	NA	NA	NA	NA	NA	NA	NA
MW6a	11/03/94	<50	<0.5	<0.5	<0.5	<0.5	<50*	1
	02/06/95	<50	<0.5	<0.5	<0.5	2.5	<50**	NA
	05/09/95	<50	<0.5	<0.5	<0.5	<0.5	NA	NA

discontinued after 5/95

discontinued after 5/95

Notes: TPHg = Total Petroleum Hydrocarbons as gasoline
E.benzene = Ethylbenzene
TPHd = Total Petroleum Hydrocarbons as diesel
O&G = Total Oil and Grease
ug/L = micrograms per liter = parts per billion (ppb)

* unknown hydrocarbons found in the diesel range estimated to be 80 ug/L with a diesel standard.
** unknown hydrocarbons found in the diesel range estimated to be 270 ug/L with a diesel standard.

5.0 CONCLUSIONS

An aboveground tank farm and one underground storage tank were formerly located onsite. The tanks have since been removed. Subsurface investigations are being conducted by SEACOR in the vicinity of the former above ground tank farm. ACC has conducted further

TABLE 3 - GROUNDWATER SAMPLE ANALYTICAL RESULTS

Well No.	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)
MW2	11/03/94	5,400	510	670	65	320
	02/06/95	1,900	360	230	20	100
	05/09/95	2,200	550	350	28	120
	08/22/95	2,100	290	120	11	37
	12/07/95	1,000	190	35	6.4	16
	03/07/96	770	300	150	7.6	31
MW4	11/03/94	--	--	--	--	--
	02/06/95	80	<0.5	<0.5	<0.5	<0.5
	05/09/95	<50	<0.5	<0.5	<0.5	<0.5
	08/22/95	<50	<0.5	<0.5	<0.5	<0.5
	12/07/95	<50	<0.5	<0.5	<0.5	<0.5
	03/07/96	<50	<0.5	<0.5	<0.5	<0.5
MW6a	11/03/94	<50	<0.5	<0.5	<0.5	<0.5
	02/06/95	<50	<0.5	<0.5	<0.5	2.5
	05/09/95	<50	<0.5	<0.5	<0.5	<0.5
	08/22/95	<50	<0.5	<0.5	<0.5	<0.5
	12/07/95	<50	<0.5	<0.5	<0.5	<0.5
	03/07/96	<50	<0.5	<0.5	<0.5	<0.5

Notes: µg/L = micrograms per liter (approximately equivalent to parts per billion)

5.0 DISCUSSION

Results for MW3 & MW5 are included on previous page

This report documents the sixth consecutive quarterly monitoring conducted on groundwater wells MW-2, MW-4, and MW-6a at the Grand Marina facility. Groundwater sample results indicate detectable concentrations of gasoline constituents within well MW-2. Below detectable concentrations of TPHg and BTEX were reported in wells MW-4 and MW-6a, consistent with previous sampling events. Results reported in the sample collected from well MW-2 indicate concentrations of petroleum hydrocarbons as gasoline have decreased 23% since the December 7, 1995, sampling event. Groundwater flow direction has fluctuated slightly; however, the flow direction varies throughout the site.

4.2 Regional Hydrogeology

The site is located within the Bay Plain. The Bay Plain is a geomorphic terrain which is the gently bayward sloping alluvial plain of Alameda County adjacent to the east shore of San Francisco Bay. The Bay Plain is situated on the eastern side of the San Francisco Bay depression. This depression is an irregular warpage of the earth's crust resulting principally from downward movement along northwest-trending faults at its edge (California Department of Water Resources, 1963).

The Alameda County Flood Control and Water Conservation District, Geo-hydrology and Groundwater - Quality Overview, 205 (j) Report, June 1988 describes the geological formation of Alameda as comprised principally the Merritt Sand of Quaternary age and Bay Mud. The report notes that Bay Mud is unconsolidated dark plastic clay and silty clay rich in organic material. Locally the Mud contains lenses of sandier material and beds of peat. The Mud has a low permeability and functions as a barrier to vertical movement of salt water from the San Francisco Bay.

4.3 Analytical Results - Groundwater

Groundwater samples were collected from the monitoring wells on November 3, 1994. The groundwater samples collected were submitted to Chromalab for analysis of TPH as gasoline with BTEX, TPH as diesel, and total oil and grease.

Analysis results from the groundwater samples are illustrated in Table 3. Copies of the analytical results are attached in Appendix C.

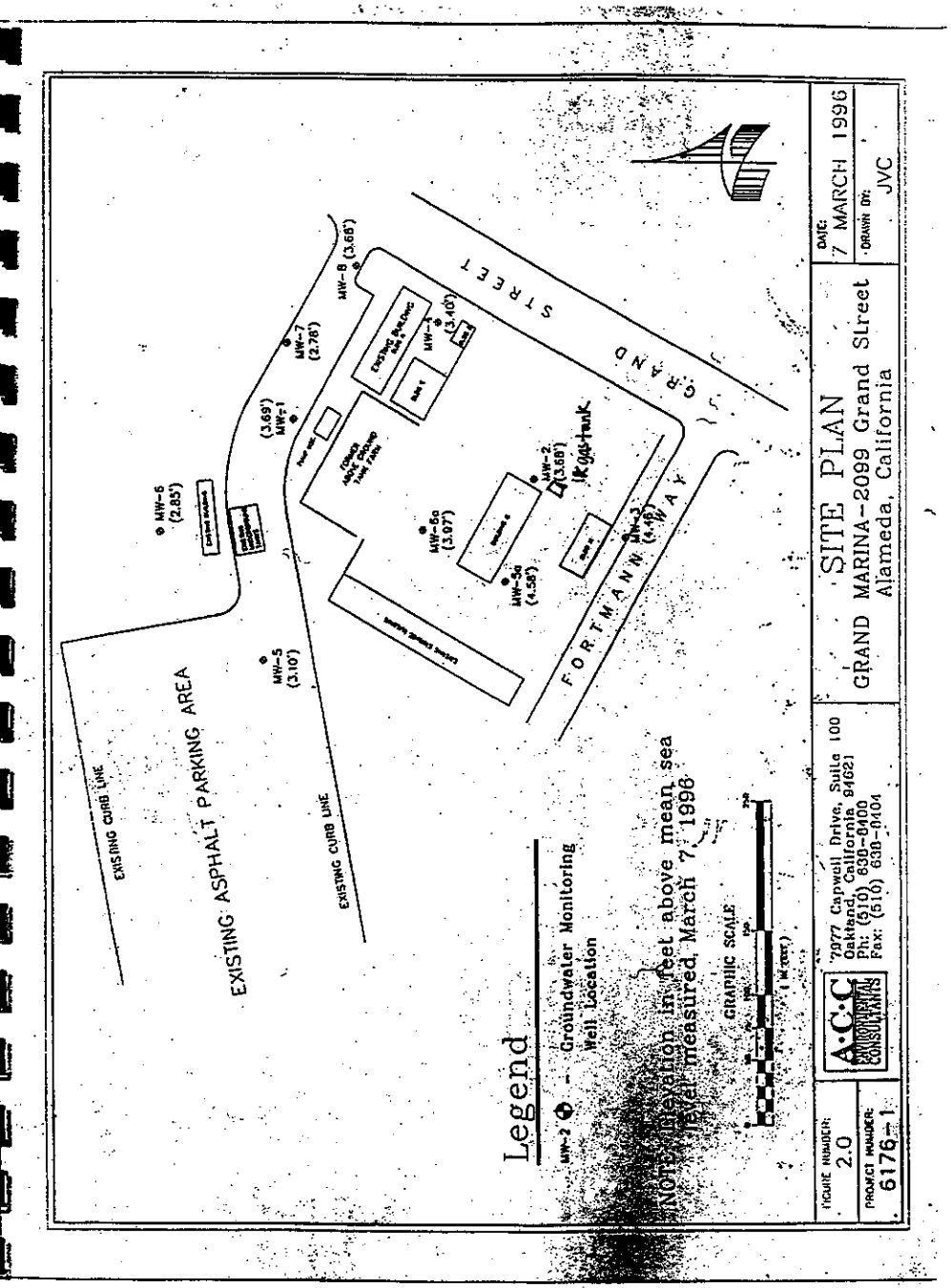
TABLE 3 - Sample Results - Groundwater

Well No.	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	E.benzene (ppb)	Xylenes (ppb)	TPHd (ppb)	O&G (ppm)
MW2	11/03/94	5,400	510	670	65	320	<50	<1
MW3	11/03/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<1
MW5a	11/03/94	<50	<0.5	<0.5	<0.5	<0.5	<50	<1
MW6a	11/03/94	<50	<0.5	<0.5	<0.5	<0.5	<50*	1

Notes: TPHg = Total Petroleum Hydrocarbons as gasoline
E.benzene = Ethylbenzene
TPHd = Total Petroleum Hydrocarbons as diesel
O&G = Total Oil and Grease
ppb = parts per billion
ppm = parts per million
* unknown hydrocarbons found in the diesel range estimated to be 87 ppb with a diesel standard.

5.0 CONCLUSIONS

An above-ground tank farm and one underground storage tank were formerly located on-site. The tanks have since been removed. Subsurface investigations are being conducted by SEACOR in the vicinity of the former above ground tank farm. ACC has conducted further evaluation of the subsurface hydrocarbon impact in the area around a former gasoline storage UST excavation. During the investigation, fill material was observed in the borings extending from the surface to



Well No.	Sample Date	Well Elevation (MSL)	Groundwater Depth (feet bgs)	Groundwater Elevation (MSL)
MW-8	10/31/94	5.65	3.92	1.93
	11/31/94		2.21	3.44
	12/24/94		2.39	3.26
	01/13/95		2.62	3.03
	02/06/95		2.16	3.49
	03/07/95		2.77	2.88
	05/09/95		2.97	2.68
	08/22/95		2.59	3.06
	12/07/95		2.85	2.80
	03/07/96		1.97	3.68

Notes: All measurements in feet

3.2 Groundwater Gradient

The groundwater flow direction as determined from monitoring well data obtained on March 7, 1996, is illustrated on Figure 3. Based on groundwater elevation calculations, groundwater flow varies throughout the site and generally flows toward the north, northeast at an average gradient of 0.004 to 0.006 foot/foot. Table 2 summarizes current and previous gradients and approximate flow directions determined from water elevations.

TABLE 2 - GROUNDWATER GRADIENT AND FLOW DIRECTION

Date	Gradient	Direction
10/31/94	0.002-0.005	North - East*
11/30/94	0.002-0.008	North - Northeast*
12/29/94	0.004 - 0.01	Northeast*
01/13/95	0.007 - 0.016	North - East*
02/06/95	0.007 - 0.018	North - Northeast*
03/07/95	0.007 - 0.015	Northeast*
05/09/95	0.004 - 0.012	Northeast*
08/22/95	0.003 - 0.005	North*
12/07/95	0.009 - 0.01	North*
03/07/96	0.004 - 0.006	North - Northeast*

* Gradient varies throughout the site

MONITORING WELL BORING LOGS

ENVIRONMENTAL TECHNICAL SERVICES
for: ZACCOR CORPORATION

R.G. Roger Greensfelder # 3011

AT: Grand Marina
2407 Grand Street
Alameda, CA

MW-2

Drilling Method : Augers

Sample Method : Split Spoon

Project Manager: Gary Zaccor

5/4/92

DEPTH	SAMPLE COLLECTED: INT. SAMPLE#	Soil Description	USCS	LOG	BLOW COUNTS	WELL CONSTRUCTION
		Fine Sand (75%) & Clay (25%). Gray, moist, plastic.	SC			Well Cap; 0.010" Slot; 2" PVC; Grout; Bento-Pellets
5'	MW-2 4.5'-5'	Gravel & Sand (30%) & Trace Silt. Gray, saturated, slight fuel odor	GM			Lone-Star #3 Sand
10'	MW-2 10-10.5'	Clay, dark gray, plastic with gravel (5%). Slight odor.	CI			
15'	MW-2 16-16.5'	Decomposed wood with plastic Clay, gray. Sewage like odor.				TD=15'
20'		TD = 16.5'				
25'						
30'						

MONITORING WELL BORING LOGS

ENVIRONMENTAL TECHNICAL SERVICES
for: ZACCOR CORPORATION

AT: Grand Marina
2407 Grand Steet
Alameda, CA

MW-3

Drilling Method : Augers
Sample Method : Split Spoon

Project Manager: Gary Zaccor

5/4/92

SAMPLE COLLECTED: INT. SAMPLE#	Soil Description	USCS	LOG	BLOW COUNTS	WELL CONSTRUCTION
	Sand & Gravel fill with some silt. Brown, dry. No odor.	GP			Well Cap; Grout; Bento-Pellets
MW-3 6'-6.5'	Clay with thin lenses of fine Sand. Plastic, moist, mottled w/ black veins (carbon?). No odor.	CI		2 3 4	0.010" Slot; 2" PVC; Lone-Star #3 Sand
MW-3 10-10.5'	Clay, dark gray, plastic, wet, loose, no odor.	CH		1 1 1	
MW-3 15-15.5'	Clay (as above) with decayed wood. TD = 16.5'				TD=15'

MONITORING WELL BORING LOGS

ENVIRONMENTAL TECHNICAL SERVICES
for: ZACCOR CORPORATION

AT: Grand Marina
2407 Grand Street
Alameda, Calif.

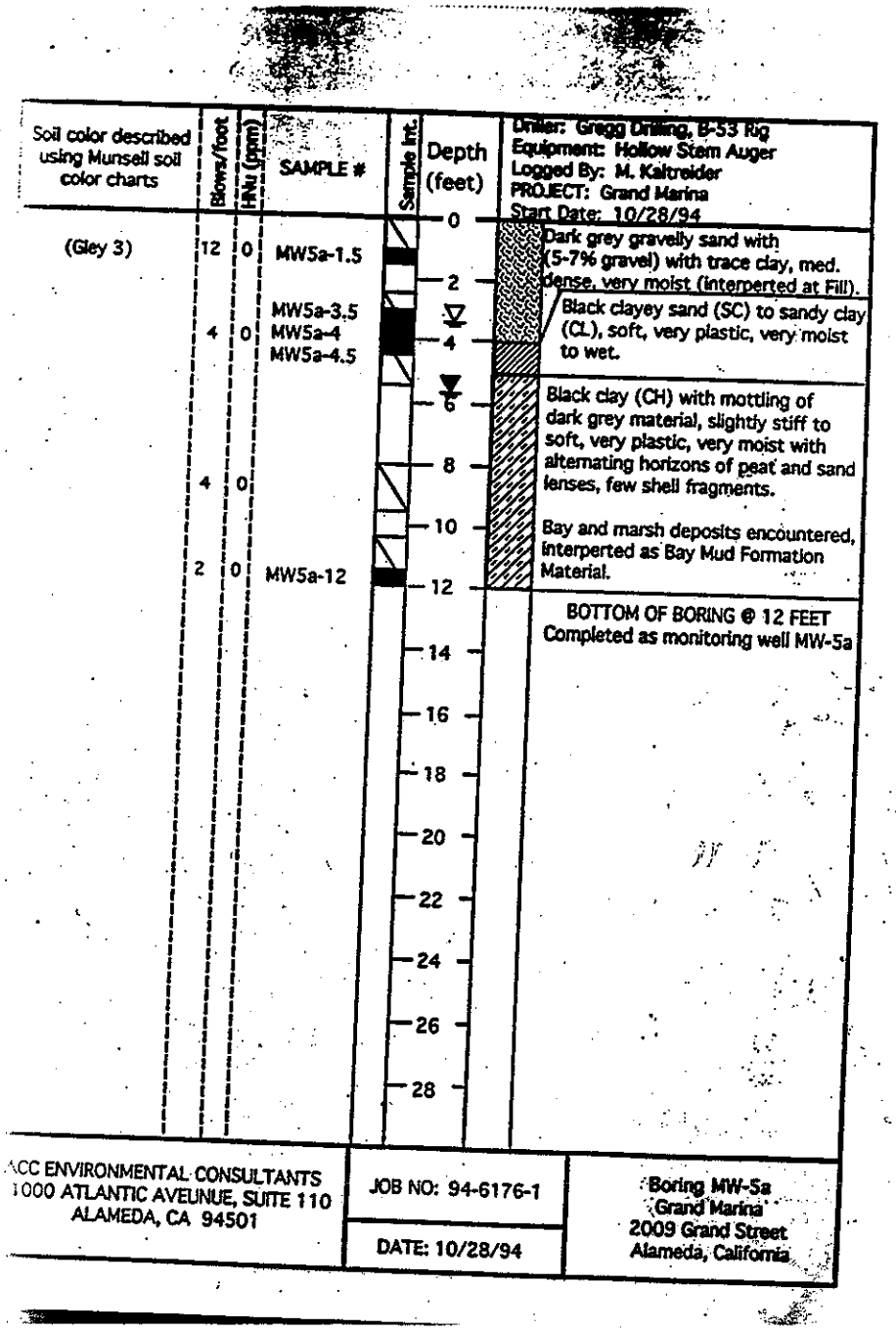
MW-4

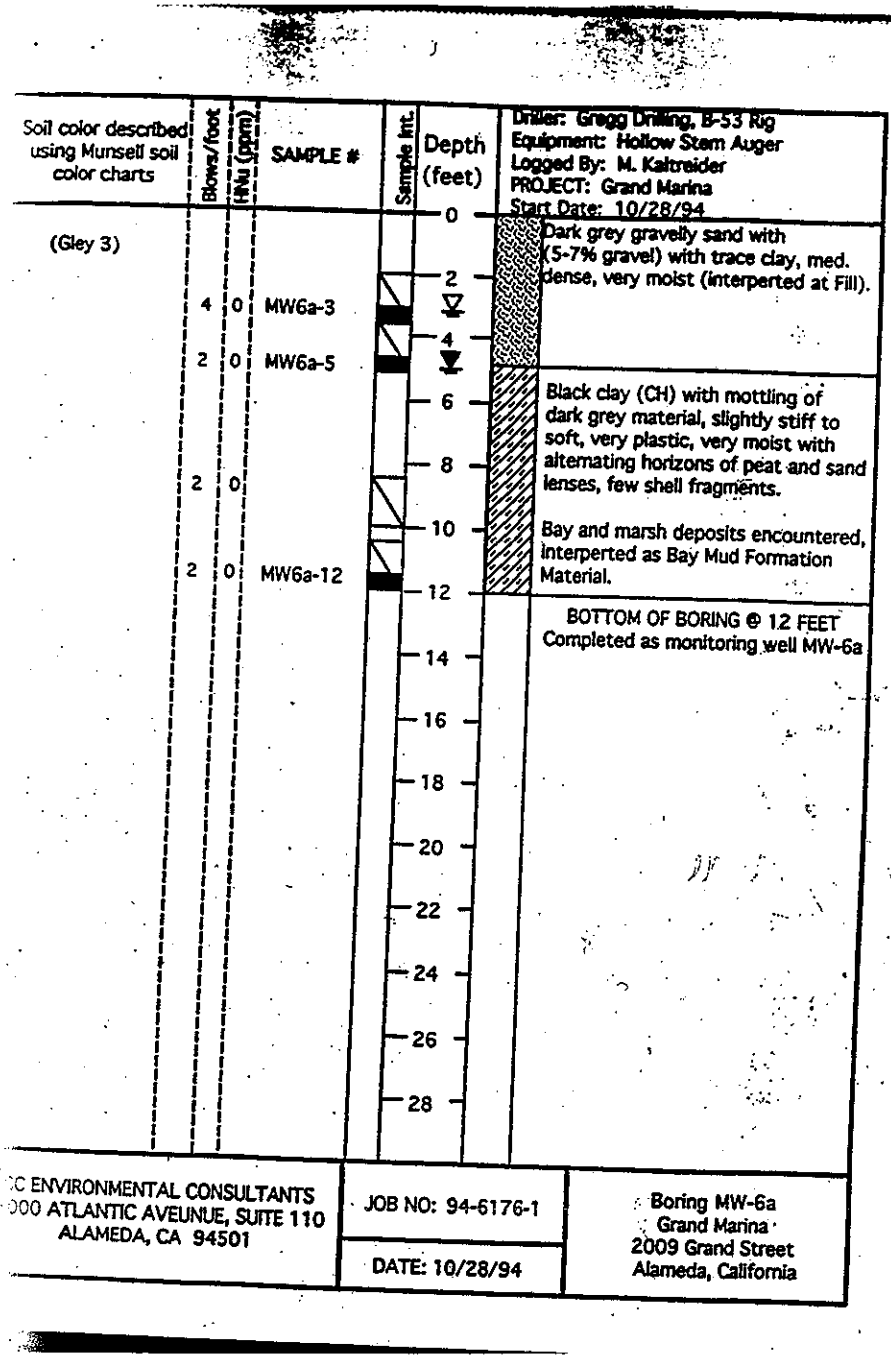
Drilling Method : Augers
Sample Method : Split Spoon

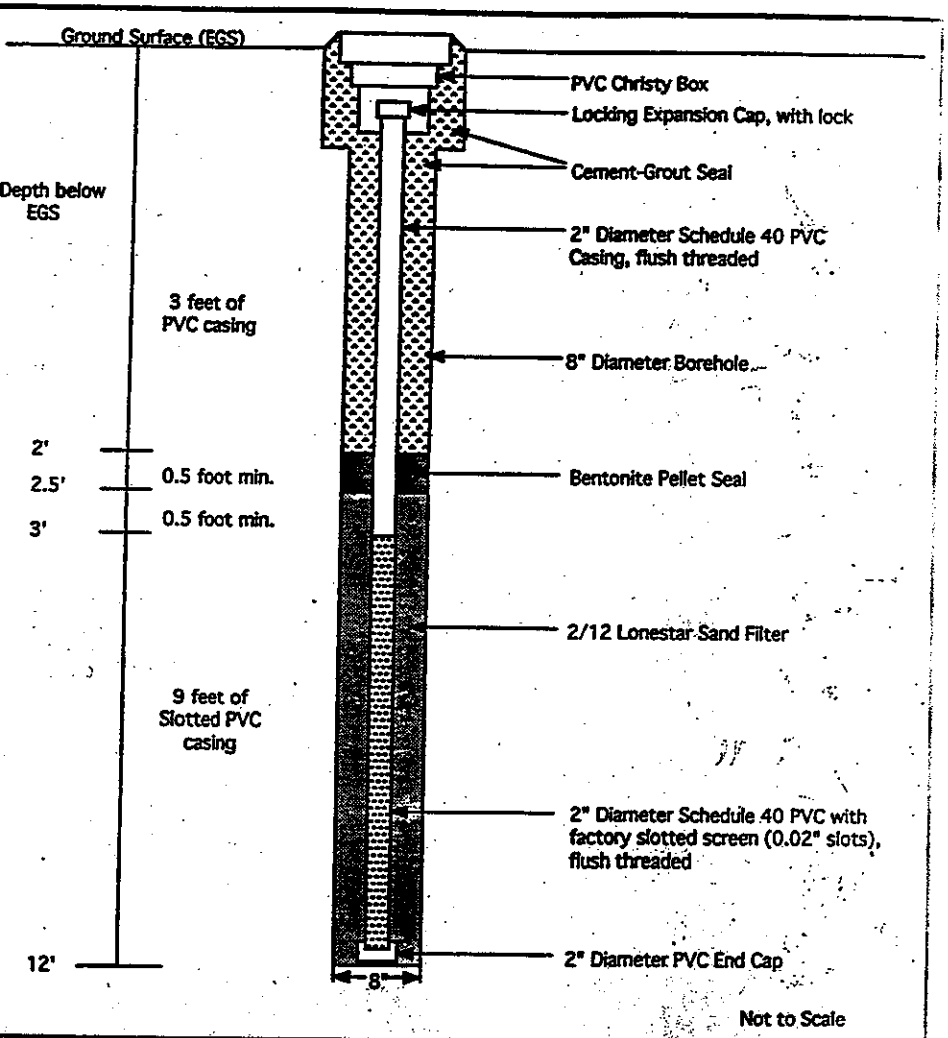
Project Manager: Gary Zaccor

5/4/92

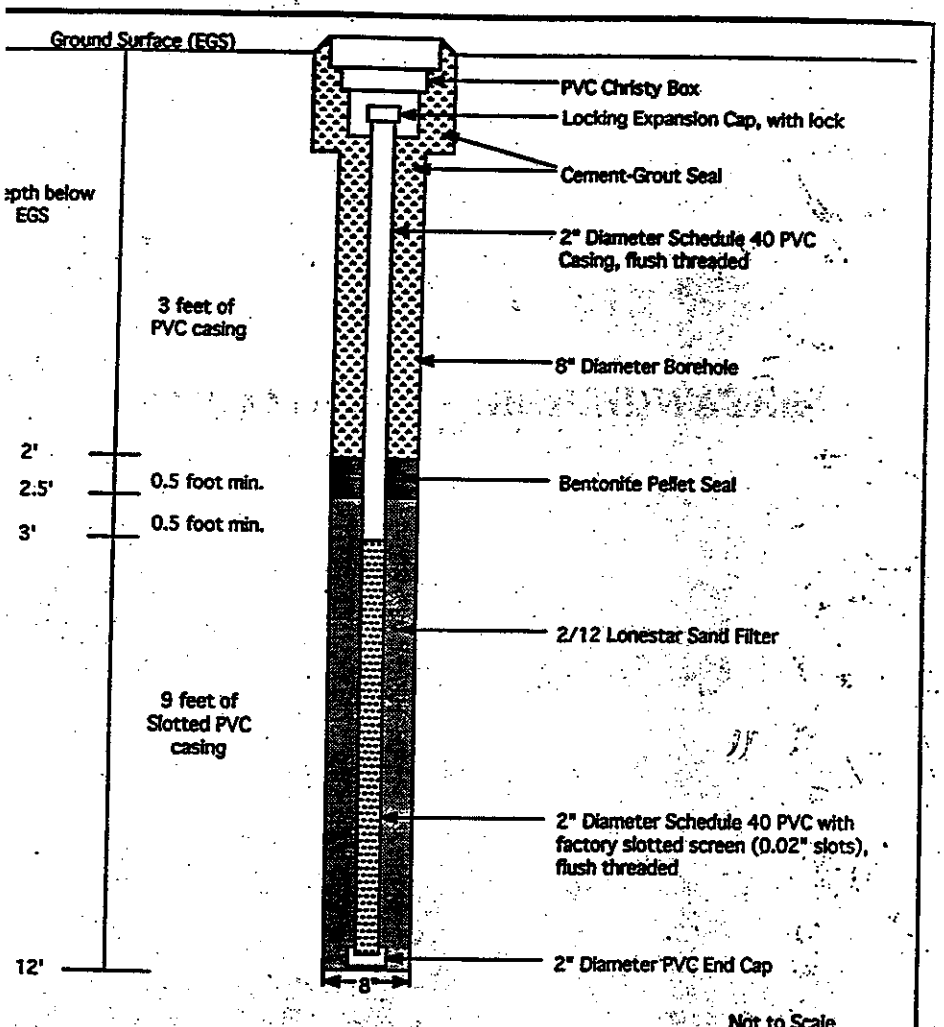
DEPTH	SAMPLE COLLECTED: INT. SAMPLE#	Soil Description	USCS	LOG	BLOW COUNTS	WELL CONSTRUCTION
		Sand & Gravel fill. Brown, dry, no odor	GP			Well Cap; Grout; Bento-Pellets
5'		Clay, dark gray, plastic, moist. No odor.	CI			0.010" Slot; 2" PVC; Lone-Star #3 Sand
10'	MW-4 10-10.5'	Clay, dark gray, plastic, wet No odor. Bits of decayed wood.	CH		1 1 2	
15'	MW-4 15-15.5'	TD = 16.5'				TD=15'
20'						


Soil color described using Munsell soil color charts
Blows/foot
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Driller: Gregg Drilling, B-53 Rig
Equipment: Hollow Stem Auger
Logged By: M. Kaltreider
PROJECT: Grand Marina
Start Date: 10/28/94
(Gley 3)
12 0 MW5a-1.5
Dark grey gravelly sand with (5-7% gravel) with trace clay, med. dense, very moist (interperted at Fill).
MW5a-3.5
4 0 MW5a-4
MW5a-4.5
Black clayey sand (SC) to sandy clay (CL), soft, very plastic, very moist to wet.
Black clay (CH) with mottling of dark grey material, slightly stiff to soft, very plastic, very moist with alternating horizons of peat and sand lenses, few shell fragments.
4 0
Bay and marsh deposits encountered, interperted as Bay Mud Formation Material.
2 0 MW5a-12
BOTTOM OF BORING @ 12 FEET
Completed as monitoring well MW-5a
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
CC ENVIRONMENTAL CONSULTANTS
000 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 94-6176-1
DATE: 10/28/94
Boring MW-5a
Grand Marina
2009 Grand Street
Alameda, California


Soil color described using Munsell soil color charts
Blows/foot
HNu (ppm)
SAMPLE #
Sample Int.
Depth (feet)
Driller: Gregg Drilling, B-53 Rig
Equipment: Hollow Stem Auger
Logged By: M. Kaltreider
PROJECT: Grand Marina
Start Date: 10/28/94
(Gley 3)
Dark grey gravelly sand with (5-7% gravel) with trace clay, med. dense, very moist (interperted at Fill).
4 0 MW6a-3
2 0 MW6a-5
Black clay (CH) with mottling of dark grey material, slightly stiff to soft, very plastic, very moist with alternating horizons of peat and sand lenses, few shell fragments.
2 0
Bay and marsh deposits encountered, interperted as Bay Mud Formation Material.
2 0 MW6a-12
BOTTOM OF BORING @ 12 FEET
Completed as monitoring well MW-6a
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
C ENVIRONMENTAL CONSULTANTS
00 ATLANTIC AVEUNUE, SUITE 110
ALAMEDA, CA 94501
JOB NO: 94-6176-1
DATE: 10/28/94
Boring MW-6a
Grand Marina
2009 Grand Street
Alameda, California

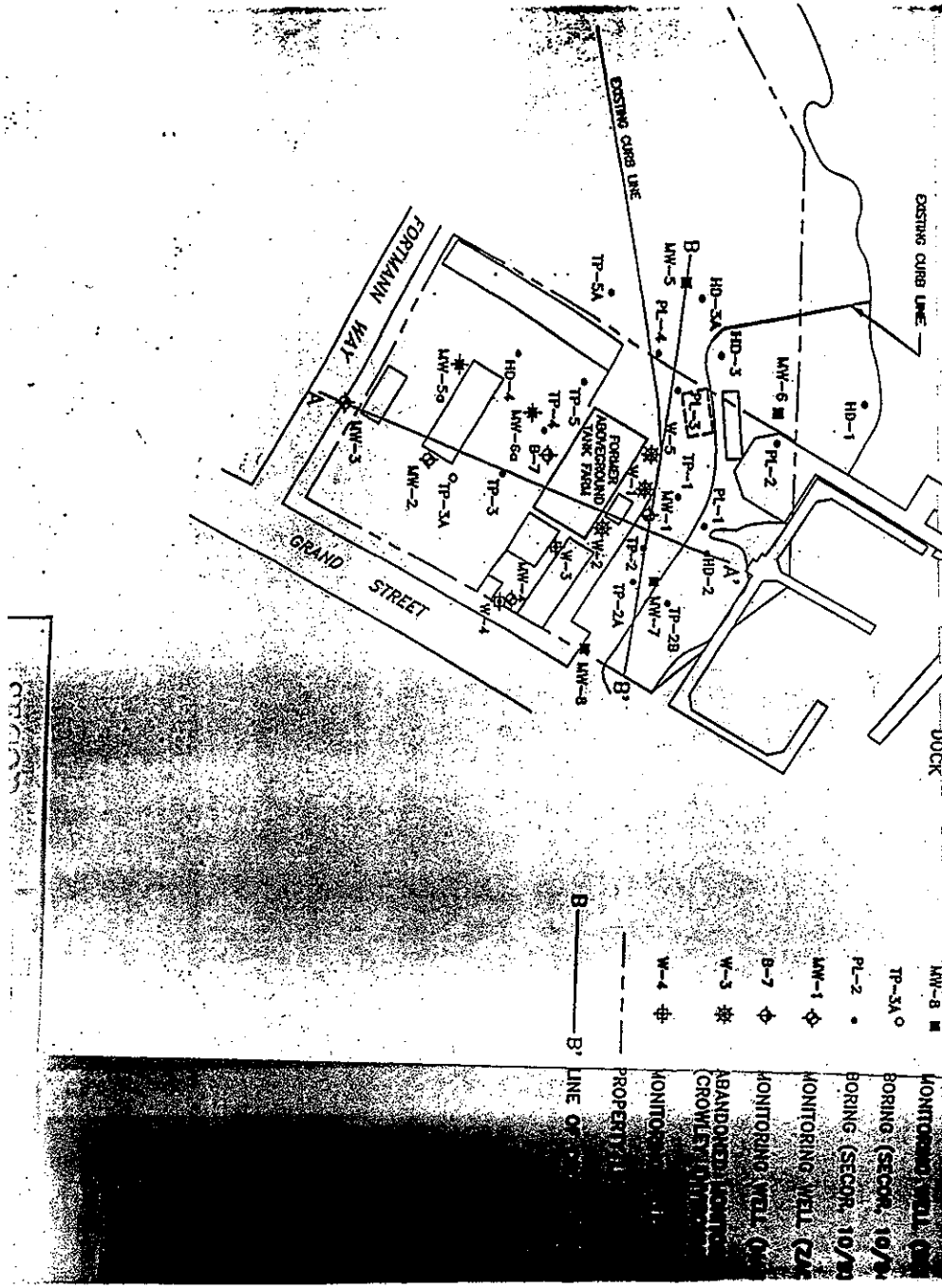


ACC Environmental Consultants 000 Atlantic Avenue, Suite 110 Alameda, CA 94501	Job No.: 6176-1 Date: 11/16/94	Schematic of Monitoring Well No.: MW-5a Grand Marina Alameda, CA



CC Environmental Consultants 00 Atlantic Avenue, Suite 110 Alameda, CA 94501	Job No.: 6176-1 Date: 11/16/94	Schematic of Monitoring Well No.: MW-6a Grand Marina

ABOVE GROUND STORAGE TANK
RELATED INFORMATION



Grand Street and Fortmann Way Property
Alameda, California

Sample Identification	Depth of Sample (feet)	Sample Date	TPH as Diesel			Total Oil and Grease			Benzene			Chemical: Toluene			Ethylbenzene			Total Xylenes			Benzo(a)pyrene		
			Detection Limit (mg/kg) [1]	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)
1	0 - 0.5	4/30/92	100	1100	1100	30	1300	1300	0.005	ND [2]	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.13	0.13	-- [3]	7.70E-05	7.70E-05
3	0 - 0.5	4/30/92	1000	21000	21000	30	15000	15000	0.005	ND	0.0025	0.005	0.55	0.55	0.005	0.88	0.88	0.005	3.0	3	--	1.47E-03	1.47E-03
5	0 - 0.5	4/30/92	100	3500	3500	30	2800	2800	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	2.45E-04	2.45E-04
7	0 - 0.5	4/30/92	50	960	960	30	2100	2100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.13	0.13	0.005	0.54	0.54	--	6.72E-05	6.72E-05
9	0 - 0.5	4/30/92	10	55	55	30	320	320	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.010	0.01	--	3.85E-06	3.85E-06
11	0 - 0.5	4/30/92	500	12000	12000	30	4000	4000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.40E-04	1.40E-04
12	0 - 0.5	4/30/92	NA [4]	NA	NA	30	1100	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13, 14, 16	0 - 0.5	4/30/92	50	250	250	30	1100	1100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.75E-05	1.75E-05
15	0 - 0.5	4/30/92	10	160	160	30	470	470	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.046	0.046	--	1.12E-05	1.12E-05
17 - 20	0 - 0.5	4/30/92	50	220	220	30	680	680	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.009	0.009	--	1.61E-05	1.61E-05
21 - 24	0 - 0.5	4/30/92	10	180	180	30	1500	1500	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.013	0.013	--	1.54E-05	1.54E-05
25 - 28	0 - 0.5	4/30/92	50	1300	1300	30	2300	2300	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	9.10E-05	9.10E-05
29, 30, 32A	0 - 0.5	4/30/92	50	1100	1100	30	690	690	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	7.70E-05	7.70E-05
1	6.5 - 7.0	4/30/92	10	99	99	30	220	220	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	6.93E-06	6.93E-06
2	5.5 - 6.0	4/30/92	10	36	36	30	130	130	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	2.52E-06	2.52E-06
3	5.5 - 6.0	4/30/92	10	900	900	30	1800	1800	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.1	0.1	0.005	ND	0.0025	--	6.30E-05	6.30E-05
4	4.0 - 4.5	4/30/92	50	490	490	30	1900	1900	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	1.2	1.2	--	3.43E-05	3.43E-05
5	5.5 - 6.0	4/30/92	10	40	40	30	200	200	0.005	0.024	0.024	0.005	0.14	0.14	0.005	0.075	0.075	0.005	0.23	0.23	--	2.80E-06	2.80E-06
6	5.5 - 6.0	4/30/92	50	1200	1200	30	840	840	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.085	0.085	--	8.40E-05	8.40E-05
7	5.5 - 6.0	4/30/92	10	19	19	30	190	190	0.005	0.006	0.006	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.009	0.009	--	1.33E-06	1.33E-06
8	6.5 - 7.0	4/30/92	10	19	19	30	120	120	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.33E-06	1.33E-06
9	5.5 - 6.0	4/30/92	10	18	18	30	120	120	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.010	0.01	--	1.26E-06	1.26E-06
10	5.5 - 6.0	4/30/92	10	97	97	30	200	200	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	6.79E-06	6.79E-06
11	4 - 4.5	4/30/92	10	ND	5	30	90	90	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
12	6.5 - 7.0	4/30/92	10	ND	5	30	100	100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
PL-2	4.0 - 4.5	4/30/92	200	5400	5400	30	10000	10000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	3.78E-04	3.78E-04
PL-3	4.0 - 4.5	4/30/92	10	31	31	30	560	560	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	2.17E-06	2.17E-06
PL-4	4.5 - 5.0	4/30/92	200	11000	11000	30	11000	11000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.22	0.22	0.005	0.60	0.6	--	7.70E-04	7.70E-04
32A	0 - 0.5	4/30/92	10	ND	5	30	57	57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.00E-07	ND	3.50E-07
33A, 35A, 36A	0 - 0.5	4/30/92	10	49	49	30	310	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	3.43E-06	3.43E-06
37A - 40A	0 - 0.5	4/30/92	10	63	63	30	220	220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	4.41E-06	4.41E-06
32A	0 - 0.5	5/2/92	NA	NA	NA	NA	NA	NA	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
33A, 35A, 36A	0 - 0.5	5/2/92	NA	NA	NA	NA	NA	NA	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
37A - 40A	0 - 0.5	5/2/92	NA	NA	NA	NA	NA	NA	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
41A - 44A	0 - 0.5	5/2/92	10	98	98	30	850	850	0.005	ND	0.0025	0.005	0.014	0.014	0.005	ND	0.0025	0.005	0.014	0.014	--	6.86E-06	6.86E-06
45A, 47A, 48A	0 - 0.5	5/2/92	10	240	240	30	980	980	0.005	ND	0.0025	0.005	0.005	0.005	0.005	0.013	0.013	0.005	0.040	0.04	--	1.68E-05	1.68E-05
49A, 50A	0 - 0.5	5/2/92	200	7900	7900	30	8600	8600	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	5.53E-04	5.53E-04
51A, 52A	0 - 0.5	5/5/92	50	110	110	30	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	7.70E-06	7.70E-06
51B, 52B	4.0 - 4.5	5/2/92	10	28	28	30	40	40	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.96E-06	1.96E-06
51B	4.0 - 4.5	5/2/92	10	24	24	30	87	87	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.68E-06	1.68E-06
52B	4.0 - 4.5	5/2/92	10	ND	5	30	110	110	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
53B	4.0 - 4.5	5/2/92	200	550	550	30	5500	5500	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	3.85E-05	3.85E-05
53B, 53B, 56B	4.0 - 4.5	5/2/92	200	460	460	30	2000	2000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	3.22E-05	3.22E-05
57B - 60B	4.0 - 4.5	5/2/92	200	910	910	30	2700	2700	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	6.37E-05	6.37E-05
61B - 64B	4.0 - 4.5	5/2/92	200	590	590	30	630	630	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	4.11E-05	4.11E-05
65B	4.0 - 4.5	5/2/92	10	200	200	30	3500	3500	0.005	ND	0.0025	0.005	0.081	0.081	0.005	0.66	0.66	0.005	1.9	1.9	--	1.40E-05	1.40E-05
65B, 68B	4.0 - 4.5	5/2/92	10	110	110	30	1200	1200	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.23	0.23	0.005	0.30	0.3	--	7.70E-06	7.70E-06
69B	4.0 - 4.5	5/2/92	1000	16000	16000	30	1300	1300	0.005	ND	0.0025	0.005	1.2	1.2	0.005	0.74	0.74	0.005	1.9	1.9	--	1.12E-03	1.12E-03
69B, 70B	4.0 - 4.5	5/2/92	10	11000	11000	30	4500	4500	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	1.1	1.1	--	7.70E-04	7.70E-04

Sample Identification	Depth of Sample (feet)	Sample Date	TPH as Diesel			Total Oil and Grease			Benzene			Chemical: Toluene			Ethylbenzene			Total Xylenes			Benzo(a)pyrene		
			Detection Limit (mg/kg) [1]	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)	Detection Limit (mg/kg)	Reported Value (mg/kg)	Statistical Value (mg/kg)
TP-1	4.0 - 4.5	5/1/92	50	660	660	30	2000	2000	0.005	ND	0.0025	0.005	0.87	0.87	0.005	1.0	1	0.005	2.1	2.1	--	4.62E-05	4.62E-05
TP-2	4.0 - 4.5	5/1/92	NA	NA	NA	30	350	350	0.005	ND	0.0025	0.005	0.54	0.54	0.005	0.34	0.34	0.005	0.59	0.59	NA	NA	NA
TP-3	4.0 - 4.5	5/1/92	NA	NA	NA	30	4400	4400	0.005	0.15	0.15	0.005	0.18	0.18	0.005	0.131	0.131	0.005	0.40	0.4	NA	NA	NA
TP-4	4.0 - 4.5	5/1/92	NA	NA	NA	30	12000	12000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
TP-5	4.0 - 4.5	5/1/92	NA	NA	NA	30	7500	7500	0.005	ND	0.0025	0.005	0.088	0.088	0.005	0.20	0.2	0.005	0.64	0.64	NA	NA	NA
TP-7	4.0 - 4.5	5/1/92	NA	NA	NA	30	490	490	0.005	ND	0.0025	0.005	0.013	0.013	0.005	0.059	0.059	0.005	0.15	0.15	NA	NA	NA
TP-8	4.0 - 4.5	5/1/92	10	82	82	30	410	410	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	3.94E-06	3.94E-06
TP-9	4.0 - 4.5	5/1/92	100	4700	4700	30	3100	3100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	5.8	5.8	--	3.29E-04	3.29E-04
PL-12	4.0 - 4.5	5/1/92	10	21	21	30	37	37	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.47E-06	1.47E-06
31 - 32	4.0 - 4.5	5/1/92	10	ND	5	30	310	310	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
29, 30, 32B	4.0 - 4.5	5/1/92	10	13	13	30	45	45	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	9.10E-07	9.10E-07
PB-1	4.0 - 4.5	5/2/92	10	ND	5	30	180	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.00E-07	ND	3.50E-07
MW-1	4.0 - 4.5	5/4/92	200	970	970	30	2400	2400	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	4.99E-06	4.99E-06
MW-2	4.0 - 4.5	5/4/92	30	150	150	30	57	57	0.005	0.24	0.24	0.005	0.62	0.62	0.005	0.050	0.050	0.005	0.36	0.36	--	1.68E-06	1.68E-06
MW-3	4.0 - 4.5	5/4/92	10	ND	5	30	170	170	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
TP3A-0.5		Oct-94	--	1,400	1,400	--	--	--															
MW-3-0.5		Oct-94	--	23	23	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	8.98E-06	8.98E-06
MW-4-0.5		Oct-94	--	27	27	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	1.61E-06	1.61E-06
MW-44-0		Oct-94	1,000	ND	0.5	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	1.54E-06	1.54E-06
SB3-4-0.5		Oct-94	--	28	--	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	1.12E-06	1.12E-06
MW-32		Oct-94	--	240	240	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	7.00E-06	ND	3.50E-06
MW-0.5.5		Oct-94	--	97	97	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	1.96E-06	1.96E-06
									0.005	ND	0.0025	--	0.0057	0.0057	0.005	0.01	0.01	--	0.064	0.064	--	6.79E-06	6.79E-06

Footnotes
1 mg/kg = milligrams per kilogram.
2 ND = not detected above the method detection limit. Consistent with USEPA (1989) guidelines, half of the method detection limit was used to represent a non-detect value, if the chemical was detected at least once.
3 -- = not available.
4 NA = not analyzed.

References
USEPA, 1989. Risk Assessment Guidance for Superfund, Human Health Evaluation Manual Part A, Interim Final. July.

Sample Identification	Sample Date	TPH as Gasoline Detection Limit (mg/L)[1]	TPH as Gasoline Reported Value (mg/L)	TPH as Gasoline Statistical Value (mg/L)	TPH as Diesel Detection Limit (mg/L)	TPH as Diesel Reported Value (mg/L)	TPH as Diesel Statistical Value (mg/L)	Total Oil and Grease Detection Limit (mg/L)	Total Oil and Grease Reported Value (mg/L)	Total Oil and Grease Statistical Value (mg/L)	Benzene Detection Limit (ug/L)[2]	Benzene Reported Value (ug/L)	Benzene Statistical Value (ug/L)	Toluene Detection Limit (ug/L)	Toluene Reported Value (ug/L)	Toluene Statistical Value (ug/L)	Ethylbenzene Detection Limit (ug/L)	Ethylbenzene Reported Value (ug/L)	Ethylbenzene Statistical Value (ug/L)	Total Xylenes Detection Limit (ug/L)	Total Xylenes Reported Value (ug/L)	Total Xylenes Statistical Value (ug/L)
MW-7	11/01/94	0.05	ND	0.025	--	0.97	0.97	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	02/06/95	0.05	ND	0.025	--	1.3	1.3	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	08/22/95	0.05	ND	0.025	--	2.2	2.2	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	[illegible]	0.5	ND	0.25	0.5	ND	0.25
MW-7	11/08/95	0.05	ND	0.025	--*	0.7	0.7	NA	NA		0.5	ND	0.25	0.5	ND	[illegible]	[illegible]	ND	[illegible]	0.5	ND	0.25
MW-7	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	[illegible]	[illegible]	ND	[illegible]	0.5	ND	0.25
MW-7	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND	0.25
MW-8	11/01/94	0.05	ND	0.025	--	1.0	1.0	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.25
MW-8	02/06/95	0.05	ND	0.025	--	0.93 (0.47)[7]	0.7	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-8	05/09/95	0.05	ND	0.025	0.05	<0.05 (<0.05)	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-8	08/23/95	0.05	ND	0.025	--	1.5	1.5	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-8	11/08/95	0.05	ND	0.025	--*	0.57	0.57	NA	NA		0.5	ND	0.25	0.5	ND	0.25	[illegible]	ND	0.25	[illegible]	[illegible]	[illegible]
MW-8	02/22/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	[illegible]
MW-8	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	[illegible]

Footnotes
[1] mg/L = milligrams per liter
[2] µg/L = micrograms per liter
[3] ND = not detected above the method detection limit. Consistent with USEPA (1989) guidelines, half of the method detection limit was used to represent a non-detect value, if the chemical was detected at least once.
[4] -- = not available
[5] NS = not sampled/well inaccessible
[6] *: Hydrocarbons found in the diesel range do not resemble the diesel fingerprint
[7] (0.47): Duplicate sample result

References
USEPA, 1989. Risk Assessment Guidance for Superfund, Human Health Evaluation Manual Part A. Interim Final. July.

Sample Identification	Sample Date	TPH as Gasoline Detection Limit (mg/L)[1]	TPH as Gasoline Reported Value (mg/L)	TPH as Gasoline Statistical Value (mg/L)	TPH as Diesel Detection Limit (mg/L)	TPH as Diesel Reported Value (mg/L)	TPH as Diesel Statistical Value (mg/L)	Total Oil and Grease Detection Limit (mg/L)	Total Oil and Grease Reported Value (mg/L)	Total Oil and Grease Statistical Value (mg/L)	Benzene Detection Limit (ug/L)[2]	Benzene Reported Value (ug/L)	Benzene Statistical Value (ug/L)	Toluene Detection Limit (ug/L)	Toluene Reported Value (ug/L)	Toluene Statistical Value (ug/L)	Ethylbenzene Detection Limit (ug/L)	Ethylbenzene Reported Value (ug/L)	Ethylbenzene Statistical Value (ug/L)	Total Xylenes Detection Limit (ug/L)	Total Xylenes Reported Value (ug/L)	Total Xylenes Statistical Value (ug/L)
MW-1	05/12/92	0.05	ND	0.025	0.05	ND	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	0.8	0.8	0.5	ND	0.25	0.5	1.3	1.3
MW-1	11/01/94	--[4]	0.08	0.08	--	0.4	0.4	5.0	ND	2.5	--	0.5	0.5	--	1.1	1.1	0.05	ND	0.025	--	1.4	1.4
MW-1	02/06/95	0.05	ND	0.025	--	1.3	1.3	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	05/09/95	NS[5]	NS		NS	NS		NS	NS		NS	NS		NS	NS		NS	NS		NS	NS	
MW-1	08/22/95	0.05	ND	0.025	--*[6]	1.1	1.1	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	11/08/95	0.05	ND	0.025	--*	0.33	0.33	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-2	05/12/92	0.05	29	29	0.25	1.2	1.2	5.0	ND	2.5	0.5	4000	4000	0.5	11000	11000	0.5	500	500	0.5	2900	2900
MW-2	11/01/94	~~NS~~ --	NS 5.4		NS	NS		NS	NS		--	510	510	--	670	670	--	65	65	--	320	320
MW-2	02/01/95	NS	NS 1.9		NS	NS		NS	NS		--	360	360	--	230	230	--	20	20	--	100	100
MW-2	05/01/95	NS	NS 2.2		NS	NS		NS	NS		--	550	550	--	350	350	--	28	28	--	120	120
MW-2	08/01/95	NS	NS 2.1		NS	NS		NS	NS		--	290	290	--	120	120	--	11	11	--	37	37
MW-2	12/01/95	NS	NS 1.0		NS	NS		NS	NS		--	190	190	--	35	35	--	6.4	6.4	--	16	16
MW-2	02/28/96	NS	NS .77		--	1.1	1.1	NS	NS		NS	NS		NS	NS		NS	NS		NS	NS	
MW-3	05/12/92	0.05	ND	0.025	0.05	0.12	0.12	5.0	ND	2.5	0.5	ND	0.25	0.5	1	1	0.5	ND	0.25	0.5	ND	0.25
MW-4	05/12/92	0.05	ND	0.025	0.05	0.15	0.15	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	11/01/94	0.05	ND	0.025	--	0.24	0.24	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	02/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	08/22/95	0.05	ND	0.025	--	0.41	0.41	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	11/08/95	0.05	ND	0.025	--*	0.46	0.46	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.15	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	11/01/94	0.05	ND	0.025	--	0.560	0.560	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	02/06/95	--	1.0	1.0	--	0.460	0.460	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.15
MW-5	08/22/95	0.05	ND	0.025	--	0.910	0.910	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	11/08/95	0.05	ND	0.025	--	0.260	0.260	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.15
MW-5	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	11/01/94	0.05	ND	0.025	--	0.5	0.5	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	02/06/95	0.05	ND	0.025	--	0.57	0.57	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	08/22/95	0.05	ND	0.025	--	0.79	0.79	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	11/08/95	0.05	ND	0.025	--*	0.33	0.33	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	11/01/94	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	02/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	--	2.5	2.5
MW-6a	05/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	08/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	12/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25

RG-closed

RO # 819

RG-closed

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY: YES ☐ NO ☒ | HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES ☐ NO ☒ | FOR LOCAL AGENCY USE ONLY | REPORT DATE 04/04/18 | CASE #

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: Ashley Pohlmann | PHONE: (510) 638-8400 | SIGNATURE: Ashley Pohlmann | DATE
REPRESENTING: ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☒ LOCAL AGENCY ☒ OTHER Consultant | COMPANY OR AGENCY NAME: ACC Environmental Consulting
ADDRESS: 1991 Capwell Dr., Suite 100 | CITY: Oakland | STATE: CA | ZIP: 94621

RESPONSIBLE PARTY
NAME: Grand Marina ☐ UNKNOWN | CONTACT PERSON: [redacted] Pollon | PHONE: ( )
ADDRESS: 2099 Grand Avenue | CITY: Alameda | STATE: CA | ZIP: 94501

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Grand Marina, Inc. | OPERATOR: Grand Marina | PHONE: ( )
ADDRESS: [redacted] 2099 Grand Aw. | CITY: Alameda | COUNTY: Alameda | ZIP: 94501
CROSS STREET: Fortman Way

IMPLEMENTING AGENCIES
LOCAL AGENCY | AGENCY NAME: Alameda County Health Care | CONTACT PERSON: Maahulla Logan | PHONE: (510) 567-6700
REGIONAL BOARD: SF Bay Area Regional Quality Control Board | PHONE: ( )

SUBSTANCES INVOLVED
(1) 1000-gallon UST | NAME: (gasoline) | QUANTITY LOST (GALLONS): ☒ UNKNOWN
(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 03/24/18 | HOW DISCOVERED: ☐ TANK TEST ☒ TANK REMOVAL ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ OTHER
DATE DISCHARGE BEGAN: ☒ UNKNOWN | METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER
HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE: ☒ UNKNOWN

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ PIPING LEAK ☐ UNKNOWN ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ CORROSION ☒ RUPTURE/FAILURE ☒ UNKNOWN ☐ SPILL ☐ OTHER

CASE TYPE
CHECK ONE ONLY: ☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY: ☐ NO ACTION TAKEN ☐ LEAK BEING CONFIRMED ☐ REMEDIATION PLAN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☒ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ POLLUTION CHARACTERIZATION ☐ POST CLEANUP MONITORING IN PROGRESS ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS): ☐ CAP SITE (CD) ☐ CONTAINMENT BARRIER (CB) ☐ VACUUM EXTRACT (VE) ☒ EXCAVATE & DISPOSE (ED) ☐ EXCAVATE & TREAT (ET) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) ☐ REMOVE FREE PRODUCT (FP) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ TREATMENT AT HOOKUP (HU) ☐ ENHANCED BIO DEGRADATION (IT) ☐ REPLACE SUPPLY (RS) ☐ VENT SOIL (VS)

COMMENTS

HSC 05 (9/90)

SECOR
International Incorporated

RISK ASSESSMENT REPORT
FOR
THE GRAND STREET AND
FORTMANN WAY PROPERTY
ALAMEDA, CALIFORNIA

SECOR Job No. 50182-001-01

Submitted By:
SECOR International Incorporated
1390 Willow Pass Road
Suite 360
Concord, California 94520

October 28, 1997

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LIST OF ACRONYMS

ACHCS	Alameda County Health Care Services Agency
AGT	Above ground tank
ASTM	American Society for Testing and Materials
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and xylenes
COPC	Chemical of potential concern
CSF	Cancer slope factor
CSM	Conceptual site model
EPC	Exposure point concentration
HTB	Harbor Tug and Barge
PAH	Polycyclic aromatic hydrocarbon
RBSL	Risk-based screening level
RfD	Reference dose
RME	Reasonable maximum exposure
RWQCB	Regional Water Quality Control Board
SF	Slope factor
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHo	Total petroleum hydrocarbons as oil
UCL	Upper confidence limit
USEPA	United States Environmental Protection Agency
UST	Underground storage tank
VOC	Volatile organic compound

1.0 INTRODUCTION

SECOR International Incorporated (SECOR) has prepared this report to document the rationale for requesting closure of the Grand Street and Fortmann Way Property (the "Site") located north of the intersection of Grand Street and Fortmann Way in Alameda, California. Standard risk assessment techniques presented in the American Society for Testing and Materials (ASTM) *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites* (ASTM, 1995) and U.S. Environmental Protection Agency's (USEPA) *Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual* (USEPA, 1989a) were used to estimate potential health risks to both current and future on-site receptors under a reasonable maximum exposure (RME) scenario.

The use of ASTM is in accordance with the January 5, 1996, Memorandum from the California Regional Water Quality Control Board (RWQCB), San Francisco Bay Region, regarding Regional Board Supplemental Instructions to the State Water Board on December 8, 1995, *Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*.

1.1 Background

The Grand Marina Facility includes an office located at 2099 Grand Street, as well as a marina with docking and repair facilities. A Site location map is provided in Figure 1-1. Above ground tanks (AGTs) were formerly located in the central portion of the Site. These AGTs were used to store gasoline, diesel fuel, lube oil, aviation fuel, and slop oil/bilge water. An underground storage tank (UST) formerly located in the southern portion of the Site was used to store gasoline. The tanks have since been demolished, although the concrete-floored and bermed containment structure for the AGT farm remains, along with various underground conveyance pipelines. There are currently USTs located beneath the parking area, north of the former AGT farm. These USTs were installed in 1990 and supply fuel to the marina dock.

The Site investigatory and remedial activities are under the regulatory jurisdiction of the Alameda County Health Care Services Agency (ACHCS) (the lead agency) and the RWQCB, San Francisco Bay Region. Site assessment and remedial activities have been conducted since 1987.

1.2 Purpose

The purposes of this risk assessment were to:

- Analyze potential human health risks to both current and future potential receptors under a range of land use scenarios to help identify the need, if any, for action at the Site.
- Provide a basis for estimating levels of chemicals that can remain on-site and still be adequately protective of human health.

- Provide a basis for determining which chemicals are driving the human health risk under various sets of exposure assumptions to help guide risk management decisions.
- Provide the required documentation for Site regulatory closure intended to satisfy the requirements of the ACHCS and the RWQCB.

...ment provides an evaluation of the potential human health risks associated with exposure to ...cum compounds detected in subsurface soils and groundwater at the Site. The scope is limited ...ment of complete exposure pathways using simple analytical models provided in ASTM (1995) and ...ent techniques outlined by USEPA (1989a). As a general rule, this risk assessment was based on ...STM (1995) and USEPA (1989a) reasonable maximum exposed (RME) default assumptions. Any ... from this rule are noted in this report where applicable.

...uary 19, 1996, SECOR and ACHCS discussed a preliminary conceptual site model (CSM) (presented ... Section 4.2) which tentatively identified potentially complete and significant pathways at the Site. The ...eliminary CSM was used to guide the scope of this risk assessment.

...4 Organization of the Report

...he report is organized as follows:

...Section 2.0 — Site Description and History, which presents a description of the Site and identifies past investigators.

...Section 3.0 — Summary of Past Site Investigations, which summarizes the results of past soil and groundwater sampling activities conducted at the Site. It also identifies the specific data set that was used to conduct the risk assessment.

...Section 4.0 — Selection of Chemicals of Potential Concern (COPCs), which identifies the chemicals that were quantitatively evaluated in the risk assessment.

...Section 5.0 — Exposure Assessment, which includes a detailed analysis of potential exposure pathways and presents estimates of chemical intakes from exposure to Site chemicals.

...Section 6.0 — Toxicity Assessment, presents toxicity values for each of the chemicals quantitatively evaluated.

...Section 7.0 — Risk Characterization, which provides a characterization of the potential cancer risks and noncancer effects associated with estimated exposure the COPCs.

...rtainty Analysis, which identifies the major uncertainties associated with each ...ponent of the risk assessment.

...mmary and Conclusions, which briefly summarizes the risk assessment and provides ...neral conclusions.

References, which provides citations of the information sources used in the report.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description and Background

The Site is located within an irregularly-shaped parcel along the southern edge of Alameda Harbor in Alameda, California (Figure 2-1). The parcel is approximately 1,300 feet from east to west and approximately 1,225 feet from north to south. The northern and eastern portions of the parcel includes harbor facilities located within the San Francisco Bay. The land portion was created with fill placed in the late nineteenth and early twentieth centuries. The Site is bounded to the south by Grand Street, to the west by Fortmann Way, to the north by the Marin Barge and Tug facility, and to the east by Fortmann Basin. This Site is currently used as a harbor for launching and berthing boats (SECOR, 1995).

An Environmental Assessment performed by Harding Lawson Associates (HLA, 1987) for Encinal Marina and a site history compiled by Bloomfield (1987) provided site history information, which is summarized herein. An AGT farm was previously operated on-site and was used until 1989. According to the documentation provided by Unocal (1994), gasoline, diesel fuel, fuel oils, kerosene, lube oil, aviation fuel, stove oil, and slop oil/bilge water were previously stored by Unocal within the AGTs. The materials stored in the AGTs were conveyed to or from the AGT farm and the pier via underground pipelines. A 1,000-gallon UST, located approximately 300 feet south of the AGT farm, was used to store gasoline (SECOR, 1995). The UST was removed in May 1988.

A history of likely Site uses is as follows:

1839 to 1940s	Alaska Packer Association operated a fleet of fishing vessels.
1906 to 1917	Taylor and Company operated a lumber yard.
1917 to 1983	The City of Alameda Corporation Yard used the facility for a variety of activities including auto repair, carpentry, blacksmith, and an animal shelter.
1930 to 1952	Union Oil Company (Union) leased a portion of the Site from Harbor Tug and Barge (HTB) and used the Site for fuel storage as early as 1930. Union was responsible for constructing the AGT farm and stored gasoline, diesel fuel, fuel oil, kerosene, aviation fuel, and other petroleum compounds in the AGTs.
1953 to 1959	W.D. McElawain, d.b.a. Bay City Fuel Oil Company, assumed the lease with the City of Alameda and operated the AGT farm as a bunker fuel depot.
1926 to 1989	Portions of the Site were reportedly leased by HTB.
1959 to 1979	HTB purchased, maintained, and operated the AGT farm.

1980 to 1986	Healy-Tibbets Construction Company used a portion of the Site for storage of marine construction equipment.
1986 to present	Grand Marina purchased the Site and currently operates a marina.

2.2 Site Investigation History

Previous Site investigations and activities were initiated by HLA during April 1987, which included installing six groundwater monitoring wells (W-1 through W-5 and B-7) and advancing six soil borings in the vicinity of the AGT farm (see Figure 2-1). HLA also dug six test trenches at various on-site locations during this investigation. In November 1987, approximately 285 tons of petroleum hydrocarbon-impacted soil were excavated to a maximum depth of 5 feet below ground surface (bgs) from the vicinity of the AGT farm. The soils were subsequently disposed of off-site. Free-phase petroleum hydrocarbons were observed within the limits of the excavation (SECOR, 1995). In May 1988, Uriah, Inc., removed a 1,000-gallon capacity gasoline UST and found soil adjacent to the UST to be impacted with petroleum hydrocarbons. More recent and complete data are currently available, and the majority of impacted soil found by HLA has been removed from the Site. As a result, data obtained from HLA's investigation were not used in this assessment.

In June 1990, Versar, Inc., (Versar) performed an environmental risk assessment at the Site. Versar collected water samples from the estuary, four groundwater monitoring wells, and the sump within the AGT farm area. Versar also collected soil samples from two areas of discolored soil and removed nine additional cubic yards of soil from the vicinity of the AGT farm (SECOR, 1995).

In January 1992, Zaccor Corporation (Zaccor) conducted a Limited Environmental Site Assessment. This assessment included removing the AGTs with the exception of the concrete foundation and the product lines. Zaccor advanced soil borings and collected soil samples from the vicinity of the AGT farm, the former 1,000-gallon UST, and the product lines. Zaccor also installed four additional groundwater monitoring wells (MW-1 through MW-4) and detected elevated concentrations of petroleum hydrocarbons (primarily diesel) and oil and grease in both soil and groundwater beneath the Site during this phase of the investigation. Detailed information is presented in SECOR's May 12, 1995 Additional Subsurface Investigation report for the Grand Marina Facility and in Zaccor (1992).

In general, the Site investigations revealed the greatest hydrocarbon concentrations in soils at depths to 2 feet bgs beneath the AGT farm floor and beneath the former pump house. Samples collected from depths of 3 to 7 feet bgs beneath the AGT farm, the pump house adjacent to the northern edge of the AGT farm, and in the vicinity of the former UST indicated elevated, but lower hydrocarbon concentrations. Groundwater samples collected from on-site monitoring wells in June 1992 revealed elevated gasoline, diesel, and benzene concentrations in monitoring well MW-2 near the former UST (Figure 2-1). Groundwater samples collected from monitoring wells W-1, W-2, W-3, and MW-4 indicated substantially lower concentrations of total petroleum hydrocarbons as gasoline (TPHg), as diesel (TPHd), and/or benzene (SECOR, 1995).

In October 1993, SECOR conducted a Site investigation composed of an historic records review, a pipeline [illegible] and a subsurface investigation. The results of this investigation are detailed in SECOR (1995). Appendix Tables A-1 (soil) and A-2 (groundwater) summarize the data considered relevant and used in this [illegible] from these historical investigations, as further discussed in Section 3.1. Zaccor demolished [illegible] 1992.

[illegible] UST cases listed by the RWQCB included Encinal Marina (the Site), Alameda Fire Station [illegible] Street), Pennzoil (2015 Grand Street), and Weyerhauser (1801 Hibbard Street) (SECOR, 1995). [illegible] appears to represent the most significant potential source of hydrocarbons identified in on-site [illegible] groundwater.

3.0 SUMMARY OF PAST SITE INVESTIGATIONS

This section summarizes the results of past soil and groundwater sampling activities conducted at the Site relevant for use in the risk assessment. As described in Section 2.2, Site subsurface soil and groundwater have been sampled from April 1987 to March 1996 during several Site investigation activities. Because organic compounds degrade over time (i.e., volatilize or breakdown), the most recent Site investigation data provides the most accurate representation of current conditions at the Site. However, as an added measure of conservatism, this risk assessment incorporates soil and groundwater data collected over the last five years. Specifically, data collected from April and May 1992 and October 1994 investigations were used to evaluate potential exposures to soil (see Table A-1 of Appendix A for complete data summary). Potential exposures to groundwater were based on data collected at monitoring wells MW-1 through MW-8 on May 12, 1992, and the quarterly sampling rounds conducted on these wells between November 1, 1994 and June 24, 1996 (see Table A-2 of Appendix A for the complete summary).

ASTM acknowledges the impracticality of evaluating health risks associated with every compound present in a petroleum product. ASTM recommends that TPH measurements should not be used for "individual chemical" type risk assessments because they provide insufficient information about the amounts of individual compounds present. ASTM therefore recommends selecting benzene, toluene, ethylbenzene, and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs) as indicator compounds for gasoline and diesel, respectively (ASTM, 1995).

3.1 Soil Investigation Results

Results of the Site subsurface soil analyses for BTEX are presented in Table A-1 of Appendix A and summarized in Table 3-1. Seventy-one soil samples were collected between April 30, 1992 and October 26 and 27, 1994. Sixty-five samples were analyzed for BTEX, TPHg, and total petroleum hydrocarbons as oil and grease (TPHo) and sixty two samples were analyzed for TPHd.

ASTM (1995) recommends using PAHs as potential indicator compounds when diesel is detected at a site. PAHs were not analyzed in any soil samples. Therefore, concentrations for the carcinogenic PAH with the highest USEPA toxicity value, benzo(a)pyrene (B(a)P), were conservatively estimated from actual detected TPHd concentrations. The ACHCS (State of California, 1989), recommends that the concentration of B(a)P assumed to be present in diesel fuel #2 is 0.07 micrograms per gram (μg/gm) or 7×10^{-4} mg of B(a)P per 1 kilogram of TPHd. B(a)P concentrations in soil were estimated by multiplying the detected concentrations of TPHd by 7×10^{-4}. TPHd was detected in 54 samples, at concentrations ranging from 13 mg/kg to 21,000 mg/kg. The maximum detection of TPHd of 21,000 mg/kg occurred at sample boring number 3 on April 30, 1992 at 0 - 0.5 ft bgs. Using the methodology discussed above, this leads to a maximum estimated B(a)P concentration of 1.47×10^{-3} mg/kg (Table A-1 of Appendix A).

3.2 Groundwater Investigation Results

Results of the groundwater analyses for BTEX are presented in Table A-2 of Appendix A and summarized in Table 3-1. Four monitoring wells (MW-1, MW-2, MW-3, and MW-4) were sampled in May 1992 and nine wells (MW-1 through MW-4, MW-5, MW-6, MW-6a, MW-7, and MW-8) were sampled on a quarterly basis between November 1, 1994 and June 24, 1996. During this time, no BTEX constituents were detected in samples collected from monitoring wells MW-4, MW-5, MW-6, MW-6A, MW-7, or MW-8.

During the January 19, 1996, discussion of the preliminary CSM, the ACHCS requested an analysis of PAHs in groundwater. A total of seven groundwater samples were subsequently collected and analyzed for PAHs and the analytical results are presented on Table 3-2. Seven monitoring wells were sampled in March 1996 for the following 16 PAHs: acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, B(a)P, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3)pyrene, naphthalene, phenanthrene, and pyrene.

Fluorene and naphthalene were the sole PAH constituents detected at respective concentrations of 0.9 and 9.3 μg/L in the sample collected from monitoring well MW-2. No other PAH compounds were detected in the sample from monitoring well MW-2. No PAHs or other semi-volatile organic compounds (SVOCs) were detected in samples collected from monitoring wells MW-1, MW-4, MW-5, MW-6, MW-7, or MW-8 using USEPA Method 8270.

4.0 SELECTION OF CHEMICALS OF POTENTIAL CONCERN

Chemicals of Potential Concern (COPCs) were selected to focus the risk assessment on the most persistent and potentially harmful chemicals at the Site. The COPC selection process may involve any number of acceptable criteria such as evaluating the frequency of detection. However, for the purposes of this risk assessment, chemicals were selected as COPCs if their maximum detected concentrations anywhere on-site exceeded Tier 1 risk-based screening levels (RBSLs). In all cases but one, Tier 1 RBSLs were obtained from ASTM (1995). In the absence of an ASTM developed value for fluorene, the Preliminary Remediation Goal (PRG) developed for fluorene by USEPA Region IX (1996b) was used as the Tier 1 RBSL. Unlike the industrial worker-based ASTM (1995) RBSL, the USEPA (1996b) fluorene PRG is conservatively based on a residential use direct contact scenario.

4.1 Subsurface Soil Chemicals of Potential Concern

Tier 1 soil RBSLs were estimated by ASTM (1995) for the following potential routes of exposure to chemicals in soil:

- Indoor inhalation of vapor originating from soil beneath a building;
- Outdoor inhalation of vapor originating from soil; and,
- Ingestion of soil (which also considers dermal contact with soil and inhalation of airborne particulates).

Table 4-1 compares the maximum detected concentrations of BTEX anywhere on the Site in vadose zone subsurface soil with Tier 1 soil RBSLs for each identified exposure pathway. None of the concentrations of BTEX exceed the Tier 1 RBSL. Furthermore, the estimated maximum concentration of B(a)P in soil was more than three orders of magnitude below the RBSL (0.0015 mg/kg versus 3.04 mg/kg). However, as an added measure of conservatism, and in consideration of the uncertainty associated in estimating the concentrations, B(a)P was selected as the COPC for soil.

4.2 Groundwater Chemicals of Potential Concern

Tier 1 groundwater RBSLs were estimated by ASTM for the following potential routes of exposure to chemicals in groundwater:

- Indoor inhalation of vapor originating from groundwater;
- Outdoor inhalation of vapor originating from groundwater; and,
- Ingestion of groundwater.

Table 4-1 also compares the maximum detected concentrations of BTEX, naphthalene, fluorene, and B(a)P in groundwater anywhere on the Site with Tier 1 groundwater RBSLs for these three exposure pathways. As shown on Table 4-1, the maximum detected groundwater concentration of benzene exceeds the groundwater RBSL for the exposure route involving indoor inhalation of vapor originating from groundwater. Maximum detected concentrations of toluene, ethylbenzene, fluorene, naphthalene, and total xylenes did not exceed the Tier 1 groundwater RBSLs. Only benzene exceeded the Tier 1 RBSL and was therefore the chemical selected as a COPC for groundwater.

APPENDIX 1
SOIL SAMPLE ANALYTICAL RESULTS
Grand Marina
2099 Grand Avenue, Alameda, California

Well ID	Date Sampled	Benzene (mg/kg)
MW-2 4.0-4.5	1-92	0.24
MW-3 6.0-6.5	1-92	<0.005
MW-4 10.0-10.5	1-92	<0.005
MW-5A 3.5	10-94	<0.005
MW-5A 4.5	10-94	<0.005
MW-6A 3	10-94	<0.005
TP1 4.0-4.5	5-92	<0.005
TP2 4.0-4.5	5-92	<0.005
TP3 4.0-4.5	5-92	0.15
TP3-4	5-92	<0.005
TP3A-2	10-94	<5.0
TP5 4.0-4.5	5-92	<0.005
TP6 4.0-4.5	5-92	<0.005
TP7 4.0-4.5	5-92	<0.005
TP8 4.0-4.5	5-92	<0.005
TP9 4.0-4.5	5-92	<0.005

Note: mg/kg = milligrams per kilogram (approximately equal to parts per million)

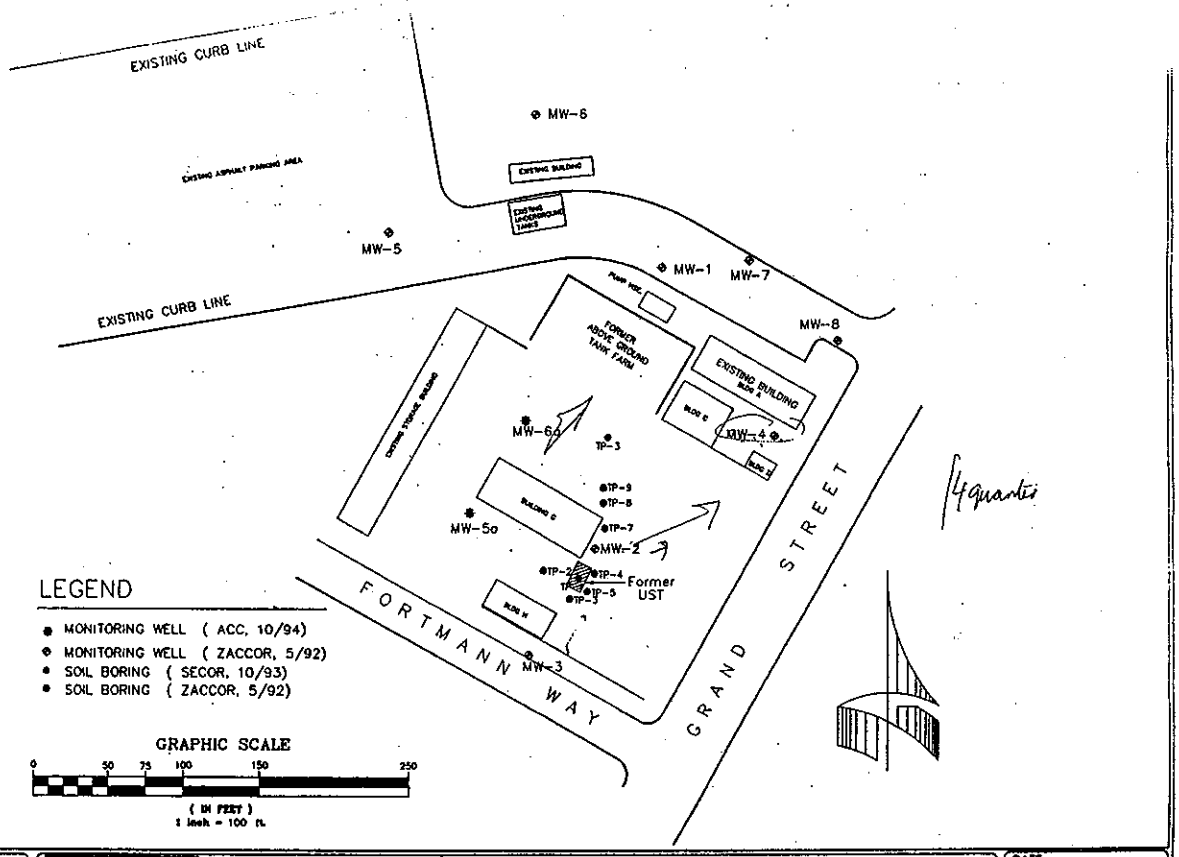


FIGURE NUMBER: 2.0	A·C·C ENVIRONMENTAL	7977 Capwell Drive, Suite 100 Oakland, California 94621 Ph: (510) 638-8400	SITE PLAN GRAND MARINA – 2099 GRAND STREET	DATE: 30 DEC 96
PROJECT NUMBER:				DRAWN BY:

APPENDIX 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Grand Marina
2099 Grand Avenue, Alameda, California

Well No.	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
MW2	02/06/95	1,900	360	230	20	100
	05/09/95	2,200	550	350	28	120
	08/22/95	2,100	290	120	11	37
	12/07/95	1,000	190	35	6.4	16
	03/07/96	770	300	150	7.6	31
MW3	11/3/94	<50	<0.50	<0.50	<0.50	<0.50
MW4	02/06/95	80	<0.5	<0.5	<0.5	<0.5
	05/09/95	<50	<0.5	<0.5	<0.5	<0.5
	08/22/95	<50	<0.5	<0.5	<0.5	<0.5
	12/07/95	<50	<0.5	<0.5	<0.5	<0.5
	03/07/96	<50	<0.5	<0.5	<0.5	<0.5
MW5a	11/3/94	<50	<0.50	<0.50	<0.50	<0.50
	2/6/95	<50	<0.50	<0.50	<0.50	<0.50
MW6a	02/06/95	<50	<0.5	<0.5	<0.5	2.5
	05/09/95	<50	<0.5	<0.5	<0.5	<0.5
	08/22/95	<50	<0.5	<0.5	<0.5	<0.5
	12/07/95	<50	<0.5	<0.5	<0.5	<0.5
	03/07/96	<50	<0.5	<0.5	<0.5	<0.5

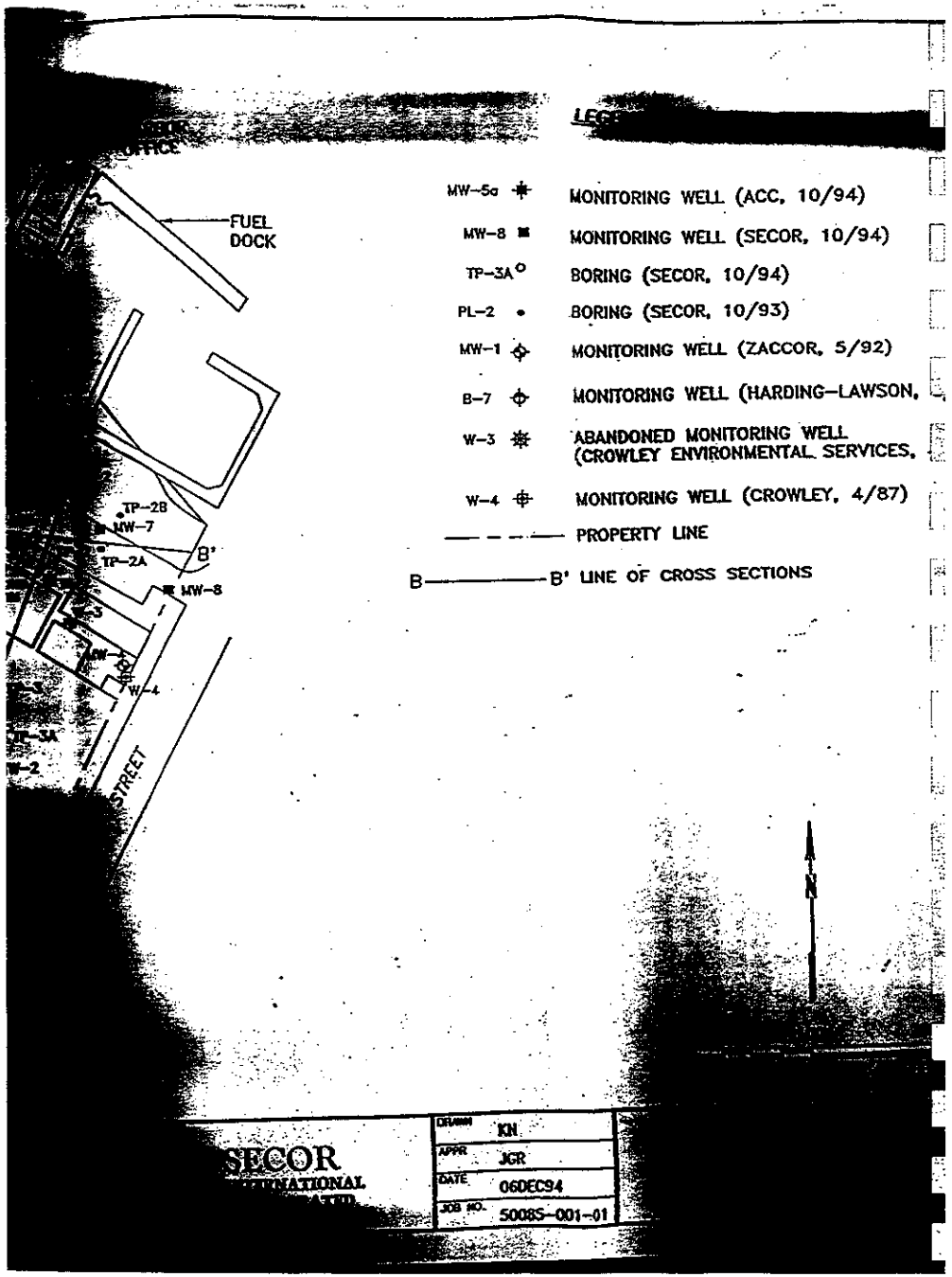


Table 3-2
Summary of Groundwater Analytical Results
Polycyclic Aromatic Hydrocarbons (PAHs)
March 1996 Data
Grand Street and Fortmann Way Property
Alameda, California

CHEMICAL	MW-1			MW-2			MW-4			MW-5			MW-6			MW-7			MW-8		
	Detection Limit (mg/L)[a]	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)
Acenaphthene	0.01	ND[b]	0.005	0.002	ND	0.001	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Acenaphthylene	0.01	ND	0.005	0.002	ND	0.001	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Anthracene	0.01	ND	0.005	0.0005	ND	0.00025	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Benzo(a)anthracene	0.01	ND	0.005	0.0001	ND	0.00005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Benzo(a)pyrene	0.01	ND	0.005	0.00005	ND	0.000025	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Benzo(b)fluoranthene	0.01	ND	0.005	0.00005	ND	0.000025	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Benzo(g,h,i)perylene	0.01	ND	0.005	0.0001	ND	0.00005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Benzo(k)fluoranthene	0.01	ND	0.005	0.00005	ND	0.000025	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Chrysene	0.01	ND	0.005	0.0001	ND	0.00005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Dibenzo(a,h)anthracene	0.01	ND	0.005	0.0001	ND	0.00005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Fluoranthene	0.01	ND	0.005	0.0001	ND	0.00005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Fluorene	0.01	ND	0.005	- -[c]	0.0009	0.0009	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Indeno(1,2,3)pyrene	0.01	ND	0.005	0.0001	ND	0.00005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Naphthalene	0.01	ND	0.005	- -	0.0093	0.0093	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Phenanthrene	0.01	ND	0.005	0.0005	ND	0.00025	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005
Pyrene	0.01	ND	0.005	0.0001	ND	0.00005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005	0.01	ND	0.005

Footnotes:

[a]mg/L = milligrams per liter.

[b]ND = not detected above the method detection limit.

[c]"- -" indicates result is not available.

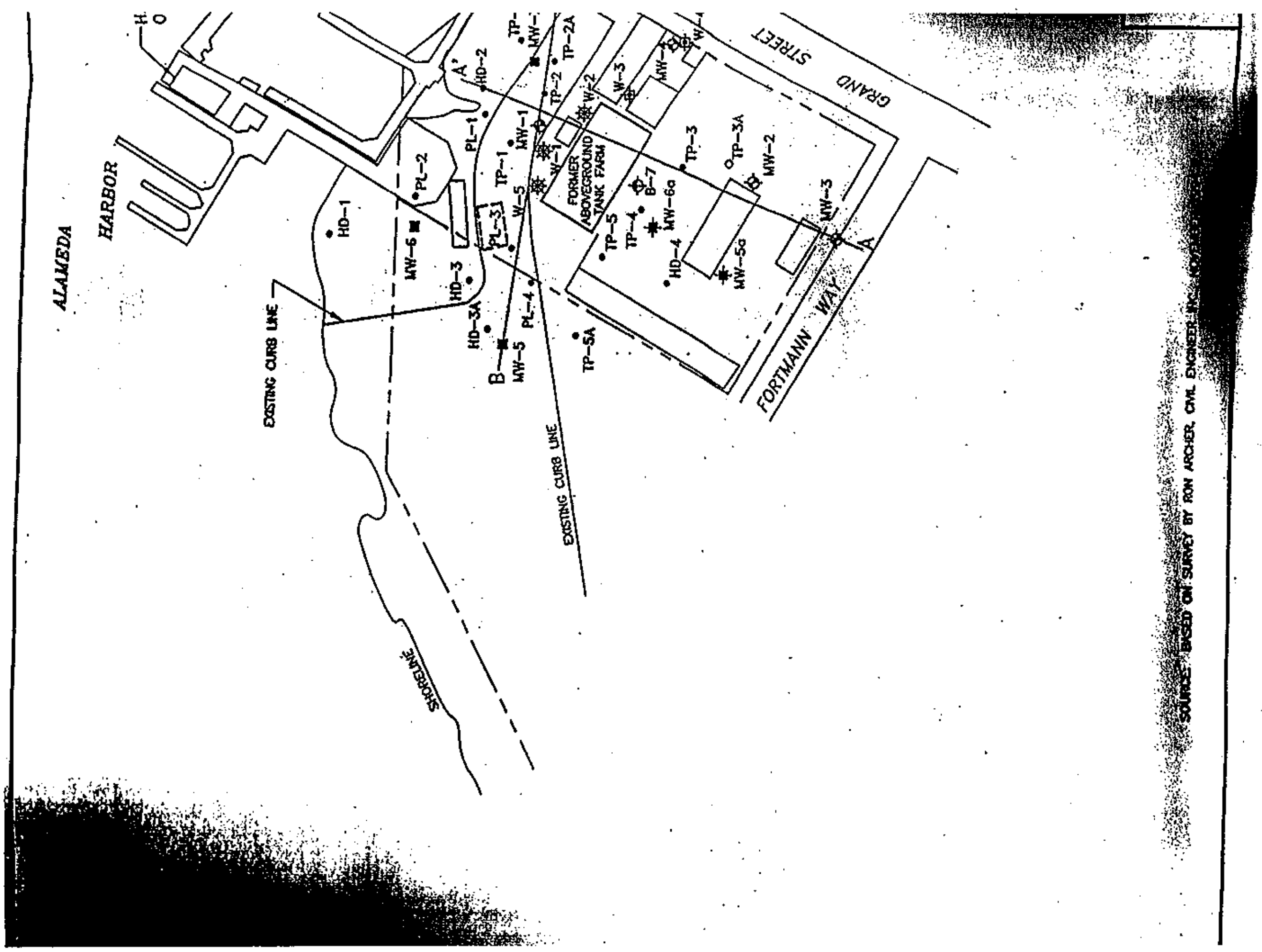


TABLE 4-1
Tier 1 - Comparison of Maximum Groundwater and Soil Concentrations and Risk-Based Screening Levels
Grand Street and Fortmann Way Property
Alameda, California

Detected Chemical	Units	Maximum Detected Concentration	Risk-Based Screening Level (RBSL)[a]	Does Maximum Concentration Exceed RBSL?	Chemical is Retained as a COPC[b]
Exposure Pathway: Incidental Ingestion, Dermal Contact, and Dust Inhalation from Soil					
Benzene	mg/kg[f]	0.24	29	No	No
Toluene	mg/kg	1.2	18,700	No	No
Ethylbenzene	mg/kg	1.0	11,500	No	No
Total Xylenes	mg/kg	15	208,000	No	No
Benzo(a)pyrene (B(a)P)	mg/kg	0.0015[g]	3.04	No[h]	Yes[h]
Exposure Pathway: Groundwater Volatilization to Indoor Air					
Benzene	mg/L[c]	4.0	0.214	Yes ✓	Yes
Toluene	mg/L	11	85	No	No
Ethylbenzene	mg/L	0.50	>S[d]	No	No
Total Xylenes	mg/L	2.9	>S	No	No
Fluorene	mg/L	0.0009	0.240[e]	No	No
Napthalene	mg/L	0.0093	12.3	No	No
Exposure Pathway: Groundwater Volatilization to Outdoor Air					
Benzene	mg/L	4.0	5.34	No	No
Toluene	mg/L	11	>S	No	No
Ethylbenzene	mg/L	0.50	>S	No	No
Total Xylenes	mg/L	2.9	>S	No	No
Fluorene	mg/L	0.0009	0.240[e]	No	No
Napthalene	mg/L	0.0093	>S	No	No

Footnotes:

[a] Unless otherwise specified, the risk-based screening levels (RBSLs) were obtained from ASTM (1995).

[b] COPC = Chemical of Potential Concern.

[c] mg/L = milligrams per liter.

[d] ">S" indicates that the selected risk level cannot be exceeded for any possible dissolved levels of a chemical.

[e] In the absence of an ASTM (1995) reported RBSL for fluorene, the EPA Region IX Preliminary Remediation Goal (PRG) of 0.240 mg/L, assuming domestic use of groundwater, was used as an RBSL (USEPA, 1996).

[f] mg/kg = milligrams per kilogram.

[g] As recommended by the State of California (California, 1989), the B(a)P concentration was estimated by multiplying the maximum detected concentration of total petroleum hydrocarbons as diesel (TPHd) (21,000 mg/kg) by a factor of 7×10^{-8}.

[h] Although the estimated soil concentration of B(a)P does not exceed the RBSL, as an added measure of conservatism B(a)P was selected as a COPC.

References:

ASTM, 1995. Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites.

California, 1989. State of California Leaking Underground Fuel Tank Field Manual.

USEPA, 1996. Region IX Preliminary Remediation Goals 1996. August.

Table A-1.
Results of Soil Sampling and Analyses
Grand Street and Fortmann Way Property
Alameda, California

Sample Identification	Depth of Sample (feet)	Sample Date	TPH as Diesel: Detection Limit (mg/kg)[1]	TPH as Diesel: Reported Value (mg/kg)	TPH as Diesel: Statistical Value (mg/kg)	Total Oil and Grease: Detection Limit (mg/kg)	Total Oil and Grease: Reported Value (mg/kg)	Total Oil and Grease: Statistical Value (mg/kg)	Benzene: Detection Limit (mg/kg)	Benzene: Reported Value (mg/kg)	Benzene: Statistical Value (mg/kg)	Toluene: Detection Limit (mg/kg)	Toluene: Reported Value (mg/kg)	Toluene: Statistical Value (mg/kg)	Ethylbenzene: Detection Limit (mg/kg)	Ethylbenzene: Reported Value (mg/kg)	Ethylbenzene: Statistical Value (mg/kg)	Total Xylenes: Detection Limit (mg/kg)	Total Xylenes: Reported Value (mg/kg)	Total Xylenes: Statistical Value (mg/kg)	Benzo(a)pyrene: Detection Limit (mg/kg)	Benzo(a)pyrene: Reported Value (mg/kg)	Benzo(a)pyrene: Statistical Value (mg/kg)
1	0-0.5	4/30/92	100	1100	1100	30	1300	1300	0.005	ND[2]	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.13	0.13	--[3]	7.70E-05	7.70E-05
3	0-0.5	4/30/92	1000	21000	21000	30	15000	15000	0.005	ND	0.0025	0.005	0.55	0.55	0.005	0.18	0.18	0.005	3.0	3	--	1.47E-03	1.47E-03
5	0-0.5	4/30/92	100	3500	3500	30	2800	2800	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	2.45E-04	2.45E-04
7	0-0.5	4/30/92	50	960	960	30	2100	2100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.13	0.13	0.005	0.54	0.54	--	6.72E-05	6.72E-05
9	0-0.5	4/30/92	10	55	55	30	320	320	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.010	0.01	--	3.85E-06	3.85E-06
11	0-0.5	4/30/92	500	12000	12000	30	4000	4000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	8.40E-04	8.40E-04
13	0-0.5	4/30/92	NA[4]	NA	NA	30	1100	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13, 14, 16	0-0.5	4/30/92	50	250	250	30	1100	1100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.75E-05	1.75E-05
15	0-0.5	4/30/92	10	160	160	30	470	470	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.086	0.086	--	1.12E-05	1.12E-05
17-20	0-0.5	4/30/92	50	230	230	30	680	680	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.009	0.009	--	1.61E-05	1.61E-05
21-24	0-0.5	4/30/92	10	180	180	30	1500	1500	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.013	0.013	--	1.26E-05	1.26E-05
25-28	0-0.5	4/30/92	50	1300	1300	30	2300	2300	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	9.10E-05	9.10E-05
29, 30, 32A	0-0.5	4/30/92	50	1100	1100	30	690	690	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	7.70E-05	7.70E-05
1	6.5-7.0	4/30/92	10	99	99	30	220	220	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	6.93E-06	6.93E-06
2	5.5-6.0	4/30/92	10	36	36	30	130	130	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	2.52E-06	2.52E-06
3	5.5-6.0	4/30/92	10	900	900	30	1800	1800	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.1	0.1	0.005	ND	0.0025	--	6.30E-05	6.30E-05
4	4.0-4.5	4/30/92	50	490	490	30	1900	1900	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	1.2	1.2	--	3.43E-05	3.43E-05
5	5.5-6.0	4/30/92	10	40	40	30	200	200	0.005	0.024	0.024	0.005	0.14	0.14	0.005	0.075	0.075	0.005	0.23	0.23	--	2.80E-06	2.80E-06
6	5.5-6.0	4/30/92	50	1200	1200	30	840	840	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.085	0.085	--	8.40E-05	8.40E-05
7	5.5-6.0	4/30/92	10	19	19	30	190	190	0.005	0.006	0.006	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.009	0.009	--	1.33E-06	1.33E-06
8	6.5-7.0	4/30/92	10	19	19	30	120	120	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.33E-06	1.33E-06
9	5.5-6.0	4/30/92	10	18	18	30	120	120	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.010	0.01	--	1.26E-06	1.26E-06
10	5.5-6.0	4/30/92	10	97	97	30	200	200	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	6.79E-06	6.79E-06
11	4-4.5	4/30/92	10	ND	5	30	90	90	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
12	6.5-7.0	4/30/92	10	ND	5	30	100	100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
PL-2	4.0-4.5	4/30/92	200	5400	5400	30	10000	10000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	3.78E-04	3.78E-04
PL-3	4.0-4.5	4/30/92	10	31	31	30	560	560	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	2.17E-06	2.17E-06
PL-4	4.5-5.0	4/30/92	200	11000	11000	30	11000	11000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.22	0.22	0.005	0.80	0.8	--	7.70E-04	7.70E-04
32A	0-0.5	4/30/92	10	ND	5	30	57	57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.00E-07	ND	3.50E-07
33A, 35A, 36A	0-0.5	4/30/92	10	49	49	30	310	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	3.43E-06	3.43E-06
37A-40A	0-0.5	4/30/92	10	63	63	30	220	220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	4.41E-06	4.41E-06
32A	0-0.5	5/2/92	NA	NA	NA	NA	NA	NA	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
33A, 35A, 36A	0-0.5	5/2/92	NA	NA	NA	NA	NA	NA	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
37A-40A	0-0.5	5/2/92	NA	NA	NA	NA	NA	NA	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
41A-44A	0-0.5	5/2/92	10	98	98	30	850	850	0.005	ND	0.0025	0.005	0.014	0.014	0.005	ND	0.0025	0.005	0.014	0.014	--	6.86E-06	6.86E-06
45A, 47A, 48A	0-0.5	5/2/92	10	240	240	30	980	980	0.005	ND	0.0025	0.005	0.005	0.005	0.005	0.013	0.013	0.005	0.040	0.04	--	1.68E-05	1.68E-05
49A, 50A	0-0.5	5/2/92	200	7900	7900	30	1600	1600	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	5.53E-04	5.53E-04
51A, 52A	0-0.5	5/2/92	50	110	110	30	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	7.70E-06	7.70E-06
51B, 52B	4.0-4.5	5/2/92	10	28	28	30	40	40	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.96E-06	1.96E-06
51B	4.0-4.5	5/2/92	10	24	24	30	87	87	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.68E-06	1.68E-06
32B	4.0-4.5	5/2/92	10	ND	5	30	110	110	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
30B	4.0-4.5	5/2/92	200	550	550	30	5500	5500	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	3.85E-05	3.85E-05
33B, 35B, 36B	4.0-4.5	5/2/92	200	460	460	30	2000	2000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	3.22E-05	3.22E-05
37B-40B	4.0-4.5	5/2/92	200	910	910	30	2700	2700	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	6.37E-05	6.37E-05
41B-44B	4.0-4.5	5/2/92	200	590	590	30	630	630	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	4.13E-05	4.13E-05
45B	4.0-4.5	5/2/92	10	200	200	30	3500	3500	0.005	ND	0.0025	0.005	0.081	0.081	0.005	0.46	0.46	0.005	1.9	1.9	--	1.40E-05	1.40E-05
45B, 48B	4.0-4.5	5/2/92	10	110	110	30	1200	1200	0.005	ND	0.0025	0.005	ND	0.0025	0.005	0.23	0.23	0.005	0.30	0.3	--	7.70E-06	7.70E-06
49B	4.0-4.5	5/2/92	1000	16000	16000	30	1300	1300	0.005	ND	0.0025	0.005	1.2	1.2	0.005	0.74	0.74	0.005	1.9	1.9	--	1.12E-03	1.12E-03
49B, 50B	4.0-4.5	5/2/92	10	11000	11000	30	4500	4500	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	1.1	1.1	--	7.70E-04	7.70E-04

diesel - 400 ppb

Table A-2.
Results of Groundwater Sampling and Analyses
Grand Street and Fortmann Way Property
Alameda, California

Sample Identification	Sample Date	TPH as Gasoline Detection Limit (mg/L)[1]	TPH as Gasoline Reported Value (mg/L)	TPH as Gasoline Statistical Value (mg/L)	TPH as Diesel Detection Limit (mg/L)	TPH as Diesel Reported Value (mg/L)	TPH as Diesel Statistical Value (mg/L)	Total Oil and Grease Detection Limit (mg/L)	Total Oil and Grease Reported Value (mg/L)	Total Oil and Grease Statistical Value (mg/L)	Benzene Detection Limit (ug/L)[2]	Benzene Reported Value (ug/L)	Benzene Statistical Value (ug/L)	Toluene Detection Limit (ug/L)	Toluene Reported Value (ug/L)	Toluene Statistical Value (ug/L)	Ethylbenzene Detection Limit (ug/L)	Ethylbenzene Reported Value (ug/L)	Ethylbenzene Statistical Value (ug/L)	Total Xylenes Detection Limit (ug/L)	Total Xylenes Reported Value (ug/L)	Total Xylenes Statistical Value (ug/L)
MW-1	03/12/92	0.05	ND[3]	0.025	0.05	ND	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	0.8	0.8	0.5	ND	0.25	0.5	1.3	1.3
MW-1	11/01/94	--[4]	0.08	0.08	--	0.4	0.4	5.0	ND	2.5	--	0.5	0.5	--	1.1	1.1	0.05	ND	0.025	--	1.4	1.4
MW-1	02/06/95	0.05	ND	0.025	--	1.3	1.3	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	03/09/95	NS[5]	NS		NS	NS		NS	NS		NS	NS		NS	NS		NS	NS		NS	NS	
MW-1	08/22/95	0.05	ND	0.025	--[4,6]	1.1	1.1	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	11/08/95	0.05	ND	0.025	--[6]	0.33	0.33	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	02/23/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-1	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-2	03/12/92	0.05	29	29	0.25	1.2	1.2	5.0	ND	2.5	0.5	4000	4000	0.5	11000	11000	0.5	500	500	0.5	2900	2900
MW-2	11/01/94	NS	NS		NS	NS		NS	NS		--	510	510	--	670	670	--	65	65	--	320	320
MW-2	02/01/95	NS	NS		NS	NS		NS	NS		--	360	360	--	230	230	--	20	20	--	100	100
MW-2	05/01/95	NS	NS		NS	NS		NS	NS		--	550	550	--	350	350	--	28	28	--	120	120
MW-2	08/01/95	NS	NS		NS	NS		NS	NS		--	290	290	--	120	120	--	11	11	--	37	37
MW-2	12/01/95	NS	NS		NS	NS		NS	NS		--	190	190	--	35	35	--	6.4	6.4	--	16	16
MW-2	02/28/96	NS	NS		--	1.1	1.1	NS	NS		NS	NS		NS	NS		NS	NS		NS	NS	
MW-3	03/12/92	0.05	ND	0.025	0.05	0.12	0.12	5.0	ND	2.5	0.5	ND	0.25	0.5	1	1	0.5	ND	0.25	0.5	ND	0.25
MW-4	03/12/92	0.05	ND	0.025	0.05	0.15	0.15	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	11/01/94	0.05	ND	0.025	--	0.24	0.24	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	02/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	08/22/95	0.05	ND	0.025	--	0.41	0.41	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	11/08/95	0.05	ND	0.025	--[6]	0.46	0.46	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-4	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	11/01/94	0.05	ND	0.025	--	0.560	0.560	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	02/06/95	--	1.0	1.0	--	0.460	0.460	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	08/22/95	0.05	ND	0.025	--	0.910	0.910	5	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	11/08/95	0.05	ND	0.025	--	0.260	0.260	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-5	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	11/01/94	0.05	ND	0.025	--	0.5	0.5	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	02/06/95	0.05	ND	0.025	--	0.57	0.57	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	08/22/95	0.05	ND	0.025	--	0.79	0.79	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	11/08/95	0.05	ND	0.025	--[6]	0.33	0.33	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6	06/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	11/01/94	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	02/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	--	2.5	2.5
MW-6a	05/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	08/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-6a	12/01/95	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25

Table A-1.
Results of Soil Sampling and Analyses
Grand Street and Fortmann Way Property
Alameda, California

Sample Identification	Depth of Sample (feet)	Sample Date	TPH as Diesel Detection Limit (mg/kg)[1]	TPH as Diesel Reported Value (mg/kg)	TPH as Diesel Statistical Value (mg/kg)	Total Oil and Grease Detection Limit (mg/kg)	Total Oil and Grease Reported Value (mg/kg)	Total Oil and Grease Statistical Value (mg/kg)	Benzene Detection Limit (mg/kg)	Benzene Reported Value (mg/kg)	Benzene Statistical Value (mg/kg)	Toluene Detection Limit (mg/kg)	Toluene Reported Value (mg/kg)	Toluene Statistical Value (mg/kg)	Ethylbenzene Detection Limit (mg/kg)	Ethylbenzene Reported Value (mg/kg)	Ethylbenzene Statistical Value (mg/kg)	Total Xylenes Detection Limit (mg/kg)	Total Xylenes Reported Value (mg/kg)	Total Xylenes Statistical Value (mg/kg)	Benzo(a)pyrene Detection Limit (mg/kg)	Benzo(a)pyrene Reported Value (mg/kg)	Benzo(a)pyrene Statistical Value (mg/kg)
TP-1	4.0 - 4.5	5/1/92	50	660	660	30	2000	2000	0.005	ND	0.0025	0.005	0.87	0.87	0.005	1.0	1	0.005	2.1	2.1	--	4.62E-05	4.62E-05
TP-2	4.0 - 4.5	5/1/92	NA	NA	NA	30	350	350	0.005	ND	0.0025	0.005	0.54	0.54	0.005	0.34	0.34	0.005	0.59	0.59	NA	NA	NA
TP-3	4.0 - 4.5	5/1/92	NA	NA	NA	30	4400	4400	0.005	0.15	0.15	0.005	0.18	0.18	0.005	0.131	0.131	0.005	0.40	0.4	NA	NA	NA
TP-5	4.0 - 4.5	5/1/92	NA	NA	NA	30	12000	12000	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	NA	NA	NA
TP-6	4.0 - 4.5	5/1/92	NA	NA	NA	30	7500	7500	0.005	ND	0.0025	0.005	0.088	0.088	0.005	0.20	0.2	0.005	0.64	0.64	NA	NA	NA
TP-7	4.0 - 4.5	5/1/92	NA	NA	NA	30	480	480	0.005	ND	0.0025	0.005	0.013	0.013	0.005	0.059	0.059	0.005	0.15	0.15	NA	NA	NA
TP-8	4.0 - 4.5	5/1/92	10	82	82	30	410	410	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	5.74E-06	5.74E-06
TP-9	4.0 - 4.5	5/1/92	100	4700	4700	30	3100	3100	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	5.8	5.8	--	3.29E-04	3.29E-04
PL-12	4.0 - 4.5	5/1/92	10	21	21	30	37	37	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	1.47E-06	1.47E-06
23 - 28	4.0 - 4.5	5/1/92	10	ND	5	30	310	310	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
29, 30, 32B	4.0 - 4.5	5/1/92	10	13	13	30	43	43	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	9.10E-07	9.10E-07
3B-1	4.0 - 4.5	5/2/92	10	ND	5	30	180	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.00E-07	ND	3.50E-07
MW-1	4.0 - 4.5	5/4/92	200	970	970	30	2400	2400	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	--	6.79E-05	6.79E-05
MW-2	4.0 - 4.5	5/4/92	20	150	150	30	57	57	0.005	0.24	0.24	0.005	0.62	0.62	0.005	0.050	0.050	0.005	0.26	0.26	--	1.05E-05	1.05E-05
MW-3	6.0 - 6.5	5/4/92	10	ND	5	30	170	170	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	0.005	ND	0.0025	7.00E-07	ND	3.50E-07
TP2A-2		Oct-94	--	1,400	1,400	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	9.80E-05	9.80E-05
MW-5-2.5		Oct-94	--	23	23	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	1.61E-06	1.61E-06
MW-5.5		Oct-94	--	27	27	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	1.89E-06	1.89E-06
MW-3A-4		Oct-94	1,000	ND	0.5	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	7.00E-08	ND	3.50E-08
MS-6-2.5		Oct-94	--	28	--	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	1.96E-06	1.96E-06
MW-7.2		Oct-94	--	240	240	--	--	--	0.0025	ND	0.00125	0.0025	ND	0.00125	0.0025	ND	0.00125	--	15	15	--	1.68E-05	1.68E-05
MW-4-3.5		Oct-94	--	97	97	--	--	--	0.005	ND	0.0025	--	0.0057	0.0057	0.005	0.01	0.01	--	0.084	0.084	--	6.79E-06	6.79E-06

Footnotes
[1] mg/kg = milligrams per kilogram.
[2] ND = not detected above the method detection limit. Consistent with USEPA (1989) guidelines, half of the method detection limit was used to represent a non-detect value, if the chemical was detected at least once.
[3] -- = not available
[4] NA = not analyzed

References

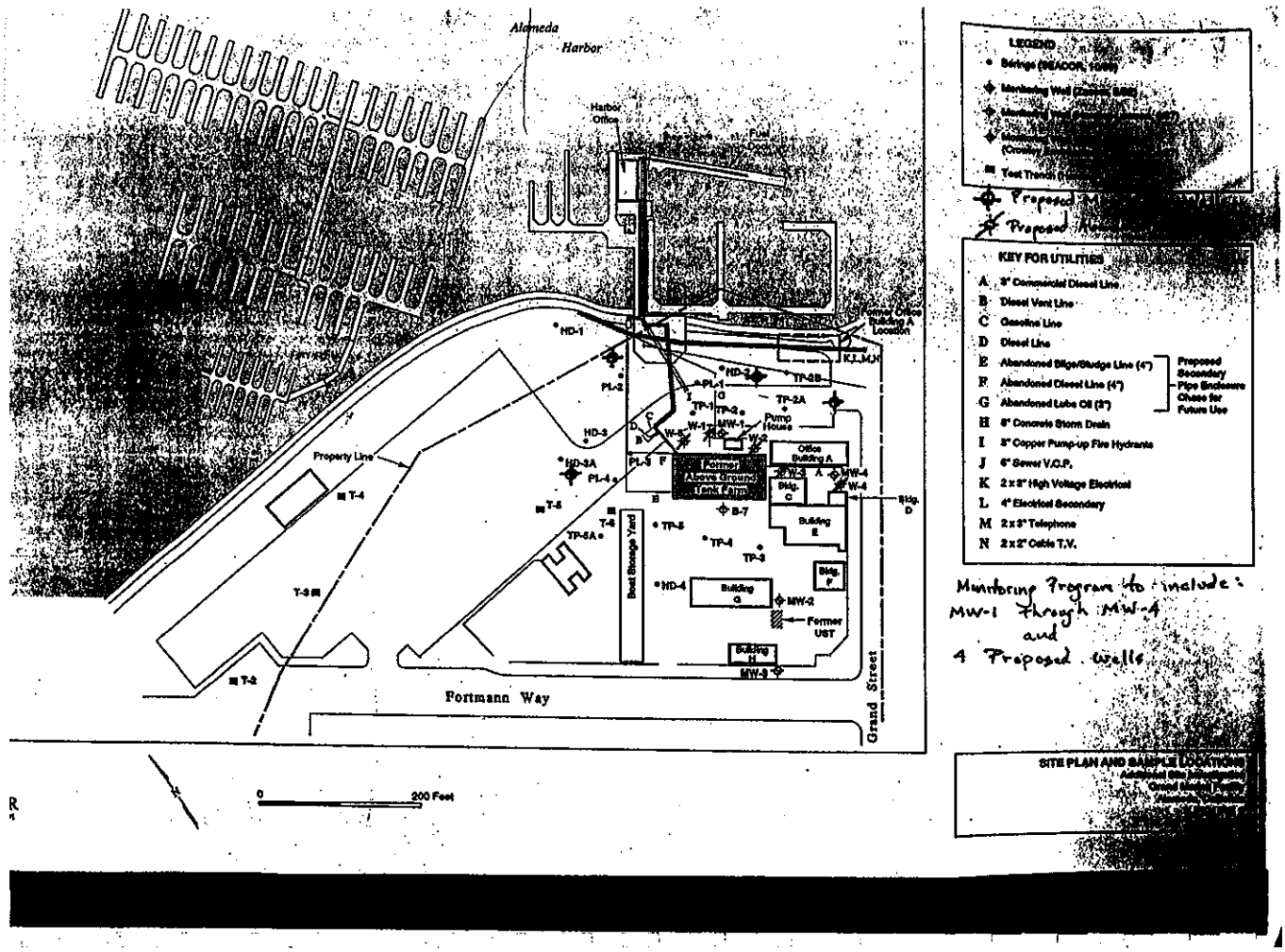
USEPA, 1989. Risk Assessment Guidance for Superfund, Human Health Evaluation Manual Part A, Interim Final. July.

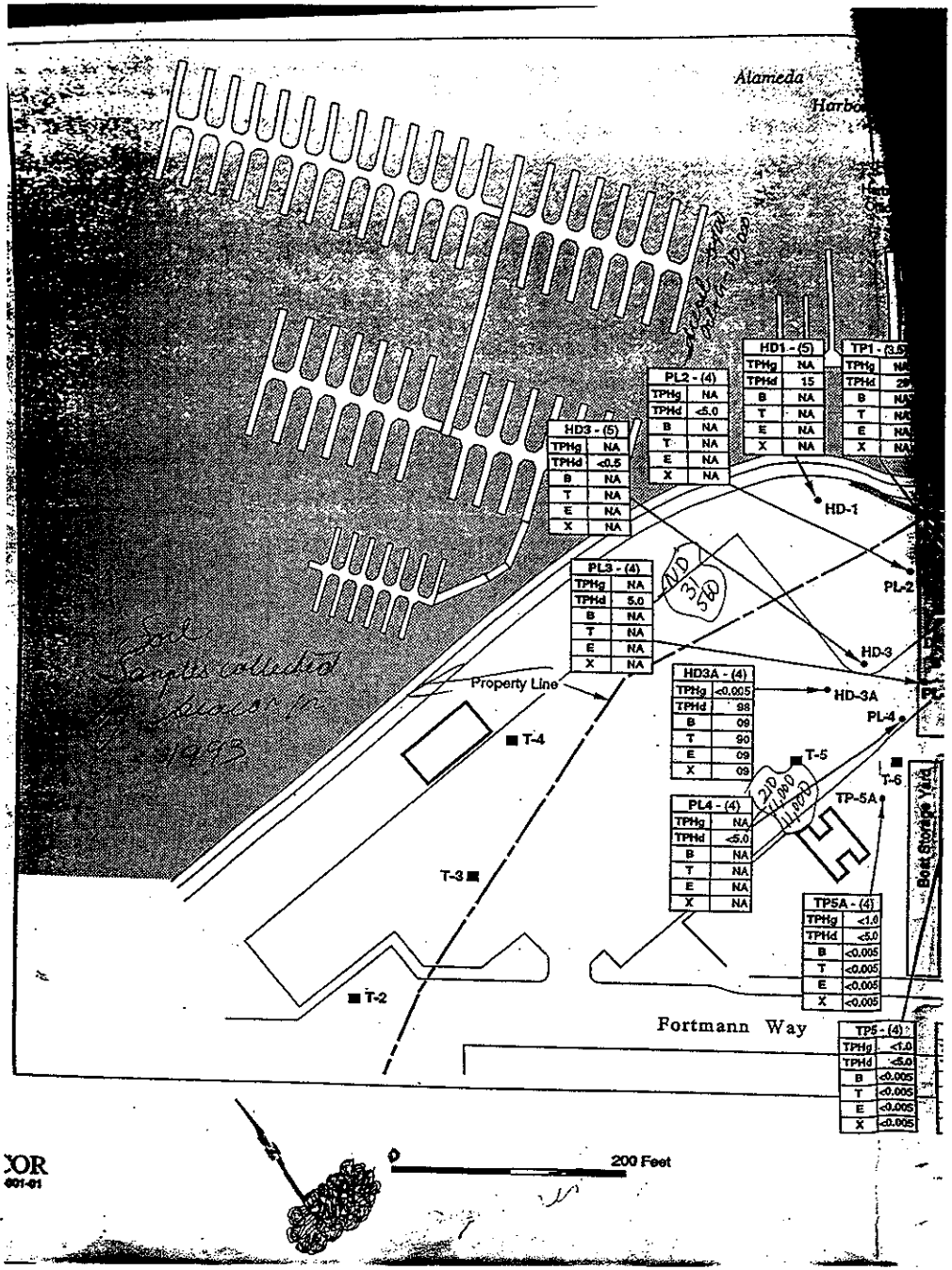
Table A-2.
Results of Groundwater Sampling and Analyses
Grand Street and Fortmann Way Property
Alameda, California

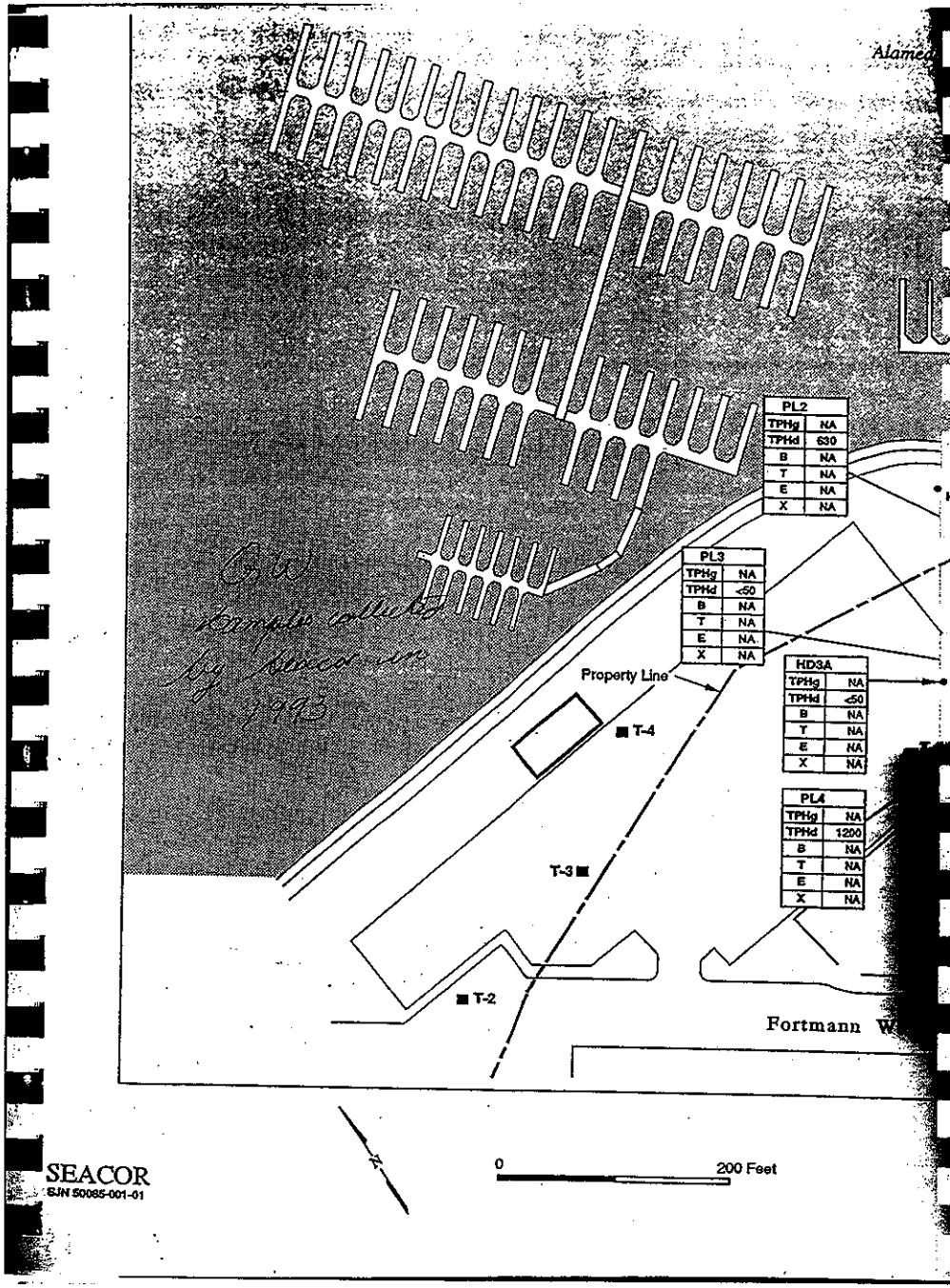
Sample Identification	Sample Date	Chemicals																	
		TPH as Gasoline			TPH as Diesel			Total Oil and Grease			Benzene			Toluene			Ethylbenzene			Total Xylenes		
		Detection Limit (mg/L)[1]	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (mg/L)	Reported Value (mg/L)	Statistical Value (mg/L)	Detection Limit (ug/L)[2]	Reported Value (ug/L)	Statistical Value (ug/L)	Detection Limit (ug/L)	Reported Value (ug/L)	Statistical Value (ug/L)	Detection Limit (ug/L)	Reported Value (ug/L)	Statistical Value (ug/L)	Detection Limit (ug/L)	Reported Value (ug/L)	Statistical Value (ug/L)
MW-7	11/01/94	0.05	ND	0.025	--	0.97	0.97	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	02/06/95	0.05	ND	0.025	--	1.3	1.3	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	05/09/95	0.05	ND	0.025	0.05	ND	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	08/22/95	0.05	ND	0.025	--	2.2	2.2	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	11/08/95	0.05	ND	0.025	--[4]	0.7	0.7	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-7	05/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-8	11/01/94	0.05	ND	0.025	--	1.0	1.0	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-8	02/06/95	0.05	ND	0.025	--	0.93 (0.47)[3]	0.7	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-8	05/09/95	0.05	ND	0.025	0.05	<0.05 (<0.05)	0.025	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-8	08/22/95	0.05	ND	0.025	--	1.5	1.5	5.0	ND	2.5	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-8	11/08/95	0.05	ND	0.025	--[4]	0.57	0.57	NA	NA		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-8	02/28/96	NS	NS		NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25
MW-8	05/24/96	50	ND	25	NS	NS		NS	NS		0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25	0.5	ND	0.25

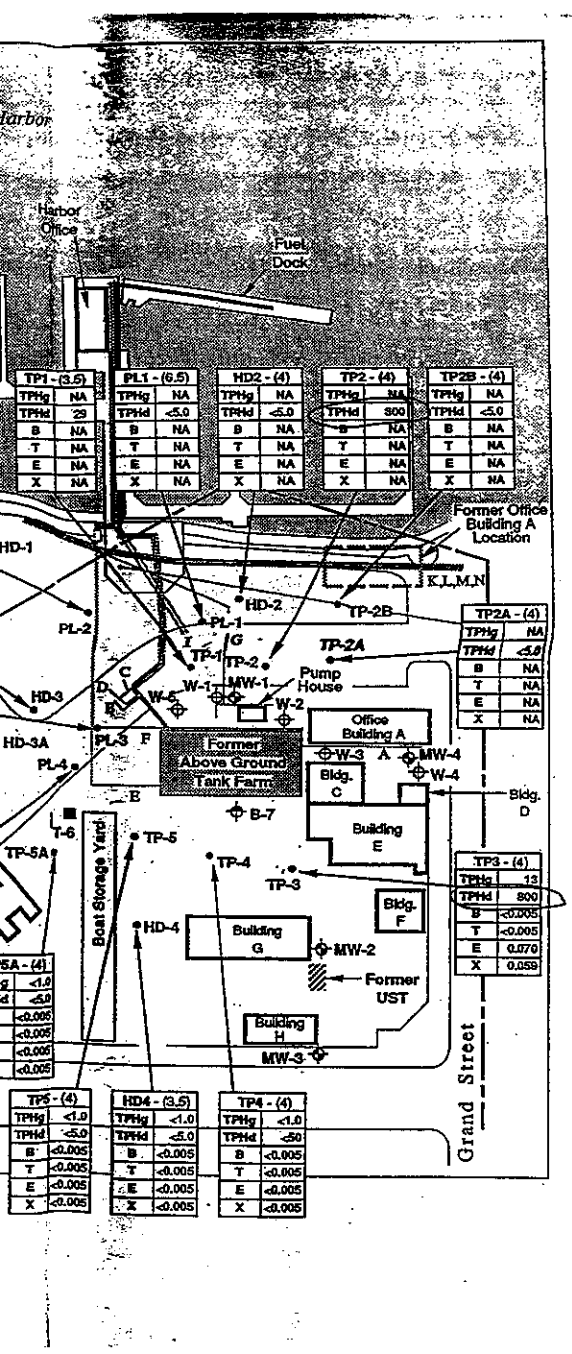
Footnotes
[1] mg/L = milligrams per liter
[2] µg/L = micrograms per liter
[3] ND = not detected above the method detection limit. Consistent with USEPA (1989) guidelines, half of the method detection limit was used to represent a non-detect value, if the chemical was detected at least once.
[4] -- = not available
[5] NS = not sampled/well inaccessible
[6] *( ) Hydrocarbons found in the diesel range do not resemble the diesel fingerprint
[7] (0.47): Duplicate sample result

References
USEPA, 1989. Risk Assessment Guidance for Superfund, Human Health Evaluation Manual Part A. Interim Final. July.




Alameda
Harbo
HD1 - (5)
TPHg NA
TPHd 15
B NA
T NA
E NA
X NA
TP1 - (3.5)
TPHg NA
TPHd 29
B NA
T NA
E NA
X NA
PL2 - (4)
TPHg NA
TPHd <5.0
B NA
T NA
E NA
X NA
HD3 - (5)
TPHg NA
TPHd <0.5
B NA
T NA
E NA
X NA
PL3 - (4)
TPHg NA
TPHd 5.0
B NA
T NA
E NA
X NA
HD3A - (4)
TPHg <0.005
TPHd 98
B 09
T 80
E 09
X 09
PL4 - (4)
TPHg NA
TPHd <5.0
B NA
T NA
E NA
X NA
TP5A - (4)
TPHg <1.0
TPHd <5.0
B <0.005
T <0.005
E <0.005
X <0.005
TP5 - (4)
TPHg <1.0
TPHd <5.0
B <0.005
T <0.005
E <0.005
X <0.005
HD-1
PL-2
HD-3
HD-3A
PL-4
T-5
TP-5A
Property Line
T-4
T-3
T-2
Boat Storage Yard
Fortmann Way
0
200 Feet
SEACOR
SJN 50085-001-01


PL2
TPHg NA
TPHd 630
B NA
T NA
E NA
X NA
PL3
TPHg NA
TPHd <50
B NA
T NA
E NA
X NA
HD3A
TPHg NA
TPHd <50
B NA
T NA
E NA
X NA
PL4
TPHg NA
TPHd 1200
B NA
T NA
E NA
X NA
Property Line
T-4
T-3
T-2
Fortmann W
0
200 Feet
SEACOR
SJN 50085-001-01



LEGEND

- Borings (SEACOR, 10/93)
- Monitoring Well (Zacoor, 5/92)
- Monitoring Well (Harding-Lawson, 6/87)
- Monitoring Well (Crowley Environmental Services, 4/87)
- Test Trench (Harding-Lawson, 6/87)

KEY FOR UTILITIES

A	3" Commercial Diesel Line
B	Diesel Vent Line
C	Gasoline Line
D	Diesel Line
E	Abandoned Bilge/Sludge Line (4")
F	Abandoned Diesel Line (4")
G	Abandoned Lube Oil (3")
H	8" Concrete Storm Drain
I	3" Copper Pump-up Fire Hydrants
J	6" Sewer V.C.P.
K	2 x 3" High Voltage Electrical
L	4" Electrical Secondary
M	2 x 3" Telephone
N	2 x 2" Cable T.V.

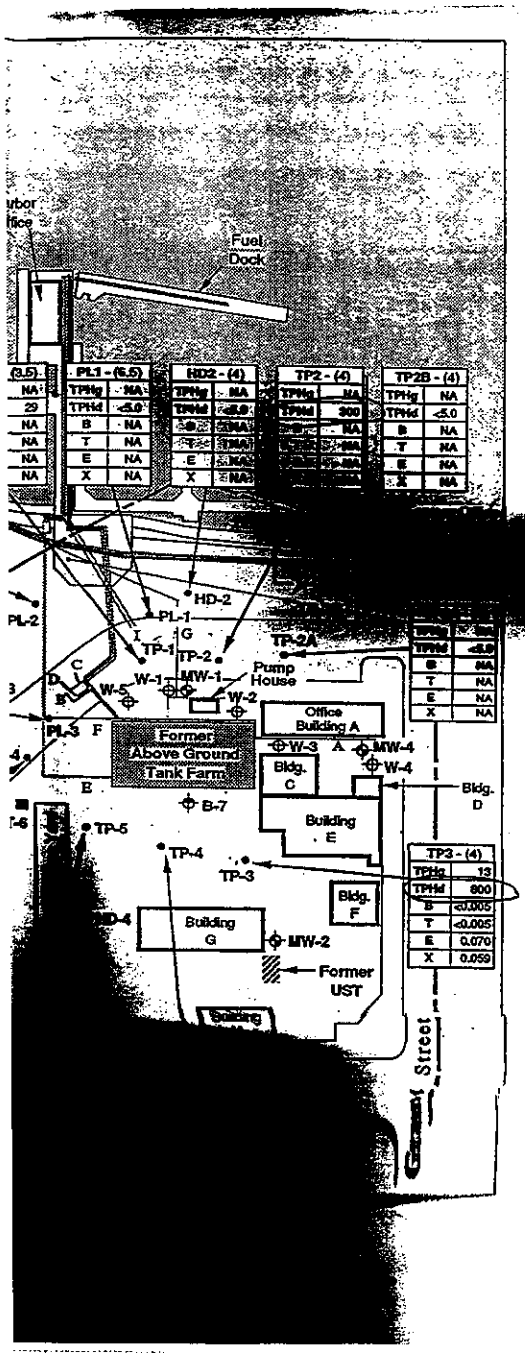
Chemical Analytical Results

Soil Boring and Sample Depth

	TP3 - (4)	
Total Petroleum Hydrocarbons as Gasoline	TPHg	NA
Total Petroleum Hydrocarbons as Diesel	TPHd	800
Benzene	B	<0.005
Toluene	T	<0.005
Ethylbenzene	E	<0.005
Xylenes	X	<0.005

Not Analyzed
Analytical Results in mg/kg
Not Detected above Laboratory Reporting Limits

SOIL CHEMICAL ANALYSIS
October
Addi



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Proposed Secondary Pipe Enclosure Chase for Future Use

Chemical Analytical Results

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Ethylbenzene	E	<0.005
Xylenes	X	<0.005

Not Analyzed
Analytical Results in mg/kg
Not Detected above Laboratory Reporting Limits

SOIL CHEMICAL ANALYSIS
October

(510) 337-6700; Fax (510) 337-9335

Hazardous Waste Generator Inspection Checklist

Facility Name: Grand Harbor Fuel Dock

Date of Inspection: June 4, 2004

Facility Address: 2099 Grand Street, Alameda, CA 94501

Inspector: Robert Weston

ESQG SQG RCRA LQG NON-RCRA LQG

# of Employees Handling Waste EPA ID# ? ?

Requirement	Citation	In Compliance? Yes	No	N/A
1. Identification Number				
(a) Obtained EPA ID Number	66262.12(a)		✓	
(b) Transporter and TSDF used have EPA ID #	66262.12(c)		✓	
2. Pre-Transport Requirements				
(a) HW determination done	66262.11(a)	✓		
(b) Containers labeled	66262.31		✓	
(c) Labels properly filled out	66262.32		✓	
(d) Within legal accumulation time	66262.34(c)		✓	
(e) Containers in good condition	66265.171	✓		
(f) Compatible with containers	66265.172	✓		
(g) Containers closed / sealed	66265.173(a)	✓		
(h) Storage area inspected weekly	66265.174		✓	
(i) Tanks equipment inspected daily	66265.195(a)			✓
(j) Incompatible HWs separated	66265.199	✓		
(k) Proper disposal	25189.5 (a)		✓	
3. Recordkeeping / HW Manifests				
(a) LDR waste records kept 5 years	66268.7(a)(7)		✓	
(b) Biennial Report submitted	66262.41(a)			✓
(c) HW shipped with manifests/ consolidated manifests	66262.20		✓	
(d) Manifests/consolidated manifests kept 3 years	66262.40(a)		✓	
(e) HW analyses kept 3 years	66262.40(c)			✓
(f) Manifests received from TSDF	66262.42		✓	
4. HW Personnel Training				
(a) Training provided annually	66265.16			✓
(b) Personnel trained and supervised	66265.16(b)			✓
(c) New hires trained within 6 mos.	66265.16(b)			✓
(d) Training records kept on site	66265.16(d)			✓
(e) Training records kept for 3 yrs.	66265.16(e)			✓
(f) Training records complete	66265.16(1,2)			✓

Requirement	Citation	In Compliance? Yes	No	N/A
5. Contingency Plan/Emergency Response Plan/Business Plan				
(a) CP/ERP/HMBP submitted	66264.53(a)	✓		
(b) Copy of Plan on site	66264.53		✓	
(c) Plan complete	66264.53	✓		
(d) Plan amended as necessary	66264.54	✓		
(e) ER Coordinator familiar w/ Plan	66264.55	✓		
6. Preparedness and Prevention				
(a) Spill control systems available	66264.32	✓		
(b) ER equipment operating properly	66264.33	✓		
(c) ER equipment storage secure	66264.14	✓		
(d) Aisle space in HW area adequate	66264.35			✓
(e) Arranged w/ local ER agencies	66234.37			✓

Waste Streams

(a) Used oil
(b) Non-halogenated solvents / P
(c) Ethylene glycol / antifreeze /
(d) Oily sludge
(e) Used oil filters
(f) Spent photoprocessing chem
(g) Dry cleaning solvent
(h) Universal Waste (X)
(i) Dispenser Fuel filters (X)
(j) Paint waste
(k) Others: Absorbents (X), TANK SYSTEM WASTE WATER

6-4-2004

All of the citations above refer to Title 22, California Code of Regulations

Pollution Prevention Program

The Health and Safety Code, Section 25244.19 requires certain hazardous waste generators to prepare and implement a Source Reduction Plan. Has this facility completed a Source Reduction Plan?

[ ] Yes [ ] No [X] Not Applicable

Comments: 1. NO EPA IDENTIFICATION NUMBER OR WASTE MANIFESTS AVAILABLE ON SITE. 2. DRUM OF CONTAMINATED WATER NOT PROPERLY LABELED UNDER PROVIDED TO VICTOR. INSPECT HAZARDOUS STORAGE WEEKLY 3. PROVIDE COPY OF MANIFESTS FOR THE LAST THREE YEARS TO PROVE PROPER DISPOSAL.

Signature: [signature] Name/Title: [illegible] Date: 6-4-04

CONSOLIDATED [illegible] STORAGE TANKS [illegible]

TYPE OF ACTION (Check one item only): ☐ 1. NEW SITE ☐ 2. RENEWAL PERMIT ☐ 3. AMENDED PERMIT [X] 5. CHANGE OF INFORMATION (Specify change - local use only) LIGHT CH ☐ 6. TEMPORARY SITE CLOSURE ☐ 7. PERMANENTLY CLOSED SITE ☐ 8. TANK REMOVED

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As): GRAND Harbor Fuel Dock, INC

01 000 3038209

NEAREST CROSS STREET

FACILITY OWNER TYPE: ☐ 4. LOCAL AGENCY/DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

BUSINESS TYPE: [X] 1. GAS STATION ☐ 2. DISTRIBUTOR ☐ 3. FARM ☐ 4. PROCESSOR ☐ 5. COMMERCIAL ☐ 6. OTHER

☐ 1. INDIVIDUAL ☐ 3. PARTNERSHIP

TOTAL NUMBER OF TANKS REMAINING AT SITE: 2

Is facility on Indian Reservation or trustlands? ☐ Yes [X] No

*If owner of UST is public agency: a name of supervisor of division, section or office which operates the UST. (This is the contact person for the tank records.)

PROPERTY OWNER NAME: GRAND MARINA PHONE: (510) 865-1200

MAILING OR STREET ADDRESS: 2099 GRAND ST.

CITY: ALAMEDA STATE: CA ZIP CODE: 94501

PROPERTY OWNER TYPE: ☐ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

TANK OWNER NAME: GRAND MARINA PHONE: (510) 865-1200

MAILING OR STREET ADDRESS: 2099 GRAND ST.

CITY: ALAMEDA STATE: CA ZIP CODE: 94501

TANK OWNER TYPE: ☐ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

TY (TK) HQ 44 - 035686 Call (916) 322-9669 if questions arise

INDICATE METHOD(S): ☐ 1. SELF INSURED ☐ 2. GUARANTEE ☐ 3. INSURANCE ☐ 4. SURETY BOND ☐ 5. LETTER OF CREDIT ☐ 6. EXEMPTION ☐ 7. STATE FUND ☐ 7. STATE FUND & CFO LETTER ☐ 7. STATE FUND & CD ☐ 10. LOCAL GOV'T MECHANISM ☐ 99. OTHER:

Check one box to indicate which address should be used for legal notification and mailing. Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked. [X] 1. FACILITY ☐ 2. PROPERTY OWNER ☐ 3. TANK OWNER

Certification: I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT: [signature] DATE: 3-15-2002 PHONE: (510) 784-890

NAME OF APPLICANT (print): MARK D. GIBSON TITLE OF APPLICANT:

STATE UST FACILITY NUMBER (For local use only): 1998 UPGRADE CERTIFICATE NUMBER (For local use only):

UPCF (1/99) 5 Formerly SWRCB Fo

UNIFIED PROGRAM CONSOLIDATED [illegible]M

UNDERGROUND STORAGE TANKS - FACILITY

TANK

(one page per site)

Page ___ of ___

TYPE OF ACTION (Check one item only)
☐ 1. NEW SITE PERMIT ☐ 3. RENEWAL PERMIT ☐ 5. CHANGE OF INFORMATION (Specify change - local use only) New Form ☐ 7. PERMANENTLY CLOSED SITE
☐ 4. AMENDED PERMIT ☐ 6. TEMPORARY SITE CLOSURE ☐ 8. TANK REMOVED

[redacted] 01 000 303820

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: GRAND HARBOR FUEL DOCK

NEAREST CROSS STREET 401:

BUSINESS TYPE (401): ☒ 1. GAS STATION ☐ 2. DISTRIBUTOR ☐ 3. FARM ☐ 4. PROCESSOR ☐ 5. COMMERCIAL ☐ 6. OTHER

FACILITY OWNER TYPE (402): ☒ 4. CORPORATION ☐ 1. INDIVIDUAL ☐ 2. PARTNERSHIP ☐ 3. LOCAL AGENCY/DISTRICT* ☐ 5. COUNTY AGENCY* ☐ 6. STATE AGENCY* ☐ 7. FEDERAL AGENCY*

TOTAL NUMBER OF TANKS REMAINING AT SITE 404: 2

Is facility on Indian Reservation or trustlands? (405) ☐ Yes ☒ No

*If owner of UST a public agency: a name of supervisor of division, section or office which operates the UST. (This is the contact person for the tank records.) (406)

PROPERTY OWNER NAME 407: Encinal Marine dba Grand Marina

PHONE 408: 510-864-1200

MAILING OR STREET ADDRESS 408: 2099 Grand ST

CITY 410: Alameda | STATE 411: CAL | ZIP CODE 412: 94501

PROPERTY OWNER TYPE (413): ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

TANK OWNER NAME 414: Grand Harbor Fuel Dock

PHONE 415: 510-521-3934

MAILING OR STREET ADDRESS 416: 2099 Grand ST

CITY 417: Alameda | STATE 418: CAL | ZIP CODE 419: 94501

TANK OWNER TYPE (420): ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

TY (TK) HQ 421: 44 - 035688 Call (916) 322-9669 if questions arise

INDICATE METHOD(S) (422): ☐ 1. SELF INSURED ☐ 2. GUARANTEE ☐ 3. INSURANCE ☐ 4. SURETY BOND ☐ 5. LETTER OF CREDIT ☐ 6. EXEMPTION ☐ 7. STATE FUND ☒ 7. STATE FUND & CFO LETTER ☐ 7. STATE FUND & CD ☐ 10. LOCAL GOVT MECHANISM ☐ 99. OTHER: ___

Check one box to indicate which address should be used for legal notification and mailing. Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked. (423) ☒ 1. FACILITY ☐ 2. PROPERTY OWNER ☐ 3. TANK OWNER

Certification: I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT: [signature] | DATE 424: 11/29 2000 | PHONE 425: 510-521-3935

APPLICANT (print) 426: Randall A. Garrison | TITLE OF APPLICANT 427: President

FACILITY NUMBER (For local use only) 428: | 1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429:

UNIFIED PROGRAM CONSOLIDATED FORM

UNDERGROUND STORAGE TANKS - TANK PAGE 1

TAN

(two pages per tank)

Page ___ of ___

TYPE OF ACTION (Check one item only)
☐ 1. NEW SITE PERMIT ☐ 3. RENEWAL PERMIT ☐ 4. AMENDED PERMIT (Specify reason - for local use only) ☒ 5. CHANGE OF INFORMATION (Specify change - for local use only) New Form ☐ 6. TEMPORARY SITE CLOSURE ☐ 7. PERMANENTLY CLOSED ON SITE ☐ 8. TANK REMOVED

BUSINESS NAME (Same as FACILITY NAME or DBA - doing Business As) GRAND HARBOR FUEL DOCK [redacted] 01 0010 303820

LOCATION WITHIN SITE (Optional)

TANK ID # 432: 1 | TANK MANUFACTURER 433: MODERN WELDING | COMPARTMENTALIZED TANK ☐ Yes ☒ No (If "Yes," complete one page for each compartment)

DATE INSTALLED (YEAR/MO) 435: 89/5 | TANK CAPACITY IN GALLONS 436: 12000 | NUMBER OF COMPARTMENTS: 1

ADDITIONAL DESCRIPTION (For local use only)

TANK USE
☒ 1. MOTOR VEHICLE FUEL (If marked, complete Petroleum Type)
☐ 2. NON-FUEL PETROLEUM
☐ 3. CHEMICAL PRODUCT
☐ 4. HAZARDOUS WASTE (Includes Used Oil)
☐ 95. UNKNOWN

PETROLEUM TYPE
☐ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☒ 1b. PREMIUM UNLEADED ☐ 3. DIESEL ☐ 6. AVIATION FUEL
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☐ 99. OTHER ___

COMMON NAME (from Hazardous Materials Inventory page) 441: | CAS # (from Hazardous Materials Inventory page):

TYPE OF TANK (Check one item only)
☐ 1. SINGLE WALL ☒ 2. DOUBLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 4. SINGLE WALL IN A VAULT ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM ☐ 95. UNKNOWN ☐ 99. OTHER ___

TANK MATERIAL - primary tank (Check one item only)
☒ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPATIBLE W/100% METHANOL ☐ 95. UNKNOWN ☐ 99. OTHER ___

TANK MATERIAL - secondary tank (Check one item only)
☐ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☒ 3. FIBERGLASS / PLASTIC ☒ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPATIBLE W/100% METHANOL ☐ 9. FRP NON-CORRODIBLE JACKET ☐ 10. COATED STEEL ☐ 95. UNKNOWN ☐ 99. OTHER ___

TANK INTERIOR LINING OR COATING (Check one item only)
☐ 1. RUBBER LINED ☐ 2. ALKYD LINING ☐ 3. EPOXY LINING ☐ 4. PHENOLIC LINING ☐ 5. GLASS LINING ☒ 6. UNLINED ☐ 95. UNKNOWN ☐ 99. OTHER ___ | 446 DATE INSTALLED ___ (For local use only)

OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only)
☐ 1. MANUFACTURED CATHODIC PROTECTION ☐ 2. SACRIFICIAL ANODE ☒ 3. FIBERGLASS REINFORCED PLASTIC ☐ 4. IMPRESSED CURRENT ☐ 95. UNKNOWN ☐ 99. OTHER ___ | 448 DATE INSTALLED ___ (For local use only)

SPILL AND OVERFILL (Check all that apply)

	YEAR INSTALLED	450 TYPE (For local use only)	451 OVERFILL PROTECTION EQUIPMENT:	YEAR INSTALLED
☒ 1. SPILL CONTAINMENT	98		☐ 1. ALARM	
☒ 2. DROP TUBE	98		☐ 2. BALL FLOAT	
☒ 3. STRIKER PLATE	98		☒ 3. FILL TUBE SHUT OFF VALVE	98
			☐ 4. EXEMPT	

IF SINGLE WALL TANK (Check all that apply): 453
☐ 1. VISUAL (EXPOSED PORTION ONLY)
☐ 2. AUTOMATIC TANK GAUGING (ATG)
☐ 3. CONTINUOUS ATG
☐ 4. STATISTICAL INVENTORY RECONCILIATION (SIR)+ BIENNIAL TANK TESTING
☐ 5. MANUAL TANK GAUGING (MTG)
☐ 6. VADOSE ZONE
☐ 7. GROUNDWATER
☐ 8 TANK TESTING
☐ 99. OTHER ___

IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only)
☐ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
☒ 2. CONTINUOUS INTERSTITIAL MONITORING
☐ 3. MANUAL MONITORING

ESTIMATED DATE LAST USED (YR/MO/DAY) 455: ___ | ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456: ___ gallons | TANK FILLED WITH INERT MATERIAL? ☐ Yes ☐ No

UNIFIED PROGRAM CONSOLIDATED FORM

UNDERGROUND STORAGE TANKS - TANK PAGE 2

TAN

Page ___ of

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYTEM TYPE	☒ 1. PRESSURE ☐ 2. SUCTION ☐ 3.GRAVITY. 458	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3.GRAVITY.
CONSTRUCTION/ MANUFACTURER	☐ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 98. OTHER 460 ☒ 2. DOUBLE WALL ☐ 99. UNKNOWN MANUFACTURER 461	☐ 1. SINGLE WALL ☐ 99. UNKNOWN ☐ 2. DOUBLE WALL ☐ 98. OTHER MANUFACTURER
MATERIALS AND CORROSION PROTECTION	☒ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 98. UNKNOWN. ☒ 4. FIBERGLASS ☐ 5. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 8. STEEL W/COATING ☐ 9. CATHODIC PROTECTION 464	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/100% METHA ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION ☐ 98. O ☐ 5. STEEL W/COATING ☐ 95. UNKNOWN

UNDERGROUND PIPING — SINGLE WALL PIPING 456	ABOVEGROUND PIPING — SINGLE WALL PIPING
PRESSURIZED PIPING *(Check all that apply)*:	PRESSURIZED PIPING *(Check all that apply)*:
☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS	☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS
☐ 2. MONTHLY 0.2 GPH TEST	☐ 2. MONTHLY 0.2 GPH TEST
☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)	☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)
	☐ 4. DAILY VISUAL CHECK
CONVENTIONAL SUCTION SYSTEMS:	CONVENTIONAL SUCTION SYSTEMS *(Check all that apply)*:
☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)	☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM
	☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)
SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):	SAFE SUCTION SYTEMS (NO VALVES IN BELOW GROUND PIPING):
☐ 7. SELF MONITORING	☐ 7. SELF MONITORING
GRAVITY FLOW:	GRAVITY FLOW *(Check all that apply)*:
☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)	☐ 8. DAILY VISUAL MONITORING
	☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)
SECONDARILY CONTAINED PIPING	SECONDARILY CONTAINED PIPING
PRESSURIZED PIPING *(Check all that apply)*:	PRESSURIZED PIPING *(Check all that apply)*:
☐ 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION ☐ c. NO AUTO PUMP SHUT OFF	☐ 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION ☐ c. NO AUTO PUMP SHUT OFF
☒ 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION	☐ 11. AUTOMATIC LEAK DETECTOR
☒ 12. ANNUAL INTEGRITY TEST (0.1GPH)	☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)
SUCTION/GRAVITY SYSTEM:	SUCTION / GRAVITY SYSTEM:
☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS	☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS
EMERGENCY GENERATORS ONLY *(Check all that apply)*	EMERGENCY GENERATORS ONLY *(Check all that apply)*
☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS	☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS
☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION	☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)
☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)	☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)
☐ 17. DAILY VISUAL CHECK	☐ 17. DAILY VISUAL CHECK

DISPENSER CONTAINMENT DATE INSTALLED 468
☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE
☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS
☐ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS
☐ 4. DAILY VISUAL CHECK
☐ 5. TRENCH LINER / MONITORIN
☒ 6. NONE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER /OPERATOR	DATE
Randall L Harrison	3/24/2000
NAME OF OWNER / OPERATOR *(print)* 471	TITLE OF OWNER / OPERATOR
RANDALL L. GARRISON	President

Permit Number *(For local use only)* 473	Permit Approved *(For local use only)* 474	Permit Expiration Date *(For local use only)*

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - TANK PAGE 1

(two pages per tank)

Page ___ of ___

TYPE OF ACTION *(Mark one item only)*
☐ 1. NEW SITE PERMIT ☐ 4. AMENDED PERMIT ☒ 5. CHANGE OF INFORMATION ☐ 8. TEMPORARY SITE CLOSURE
☐ 3. RENEWAL PERMIT *(Specify reason - for local use only)* *(Specify change - for local use only)* ☐ 7. PERMANENTLY CLOSED ON SITE ☐ 8. TANK REMOVED
430

BUSINESS NAME *(Same as FACILITY NAME or DBA - doing Business As)*: GRAND HARBOR FUEL DOCK — 01 000 3038720 — 431
LOCATION WITHIN SITE *(Optional)*

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK ☐ Yes ☒ No 434 If "Yes," complete one page for each compartment.
2	MODERN WELDING	
YEAR INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
89/5	12000	1
ADDITIONAL DESCRIPTION *(For local use only)* 438		

TANK USE
1. MOTOR VEHICLE FUEL *(If marked, complete Petroleum Type)*
2. NON-FUEL PETROLEUM
3. CHEMICAL PRODUCT
4. HAZARDOUS WASTE *(Includes Used Oil)*
95. UNKNOWN

PETROLEUM TYPE 440
☐ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☒ 3. DIESEL ☐ 6. AVIATION FUEL
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☐ 99. OTHER ___

COMMON NAME *(from Hazardous Materials Inventory page)* 441 | CAS # *(from Hazardous Materials Inventory page)* 442

TYPE OF TANK *(Mark one item only)* 443
☐ 1. SINGLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM
☒ 2. DOUBLE WALL ☐ 4. SINGLE WALL IN A VAULT ☐ 95. UNKNOWN ☐ 99. OTHER ___

TANK MATERIAL - primary tank *(Mark one item only)* 444
☐ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☐ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPATIBLE W/100% METHANOL ☐ 99. OTHER ___

TANK MATERIAL - secondary tank *(Mark one item only)* 445
☐ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 8. FRP COMPATIBLE W/100% METHANOL ☐ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☒ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 9. FRP NON-CORRODIBLE JACKET ☐ 99. OTHER ___
☐ 5. CONCRETE ☐ 10. COATED STEEL

TANK INTERIOR LINING / COATING *(Mark one item only)* 446 — DATE INSTALLED 447 *(For local use only)*
☐ 1. RUBBER LINED ☐ 3. EPOXY LINING ☐ 5. GLASS LINING ☐ 95. UNKNOWN
☐ 2. ALKYD LINING ☐ 4. PHENOLIC LINING ☐ 6. UNLINED ☐ 99. OTHER ___

OTHER CORROSION PROTECTION IF APPLICABLE *(Mark one item only)* 448 — DATE INSTALLED 449 *(For local use only)*
☐ 1. MANUFACTURED CATHODIC PROTECTION ☒ 3. FIBERGLASS REINFORCED PLASTIC ☐ 95. UNKNOWN
☐ 2. SACRIFICIAL ANODE ☐ 4. IMPRESSED CURRENT ☐ 99. OTHER ___

SPILL AND OVERFILL *(Mark all that apply)* 450 — YEAR INSTALLED 451 — OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452

	YEAR INSTALLED	TYPE *(For local use only)*	OVERFILL PROTECTION EQUIPMENT	YEAR INSTALLED
☒ 1. SPILL CONTAINMENT	98		☐ 1. ALARM ___	
☒ 2. DROP TUBE	98		☐ 2. BALL FLOAT ___	
☒ 3. STRIKER PLATE	98		☒ 3. FILL TUBE SHUT OFF VALVE	98
			☐ 4. EXEMPT	

IF SINGLE WALL TANK *(Check all that apply)*: 453
☐ 1. VISUAL (EXPOSED PORTION ONLY)
☐ 2. AUTOMATIC TANK GAUGING (ATG)
☐ 3. CONTINUOUS ATG
☐ 4. STATISTICAL INVENTORY RECONCILIATION (SIR)+ BIENNIAL TANK TESTING
☐ 5. MANUAL TANK GAUGING (MTG)
☐ 6. VADOSE ZONE
☐ 7. GROUNDWATER
☐ 8 TANK TESTING
☐ 99. OTHER ___

IF DOUBLE WALL TANK OR TANK WITH BLADDER *(Check one item only)*: 454
☐ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
☒ 2. CONTINUOUS INTERSTITIAL MONITORING
☐ 3. MANUAL MONITORING

ESTIMATED DATE LAST USED (YR/MO/DAY) 455 — ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 — gallons — TANK FILLED WITH INERT MATERIAL? 457 ☐ Yes ☐ No

UNIFIED PROGRAM CONSOLIDATED FORM

UNDERGROUND STORAGE TANKS - TANK PAGE 2

TANKS

Page ____ of ____

	UNDERGROUND PIPING	ABOVEGROUND PIPING
TEM TYPE	☒ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY. 458	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY. 459
ONSTRUCTION/ ANUFACTURER	☐ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 99. OTHER 460 ☒ 2. DOUBLE WALL ☐ 95. UNKNOWN MANUFACTURER _____ 461	☐ 1. SINGLE WALL ☐ 95. UNKNOWN 462 ☐ 2. DOUBLE WALL ☐ 99. OTHER MANUFACTURER _____ 463
ATERIALS D CORROSION ROTECTION	☒ 1. BARE STEEL 10 ☐ 6. FRP COMPATIBLE W/100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 95. UNKNOWN. ☒ 4. FIBERGLASS 20 ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 5. STEEL W/COATING ☐ 9. CATHODIC PROTECTION 464	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION ☐ 99. OTHER ☐ 5. STEEL W/COATING ☐ 95. UNKNOWN 465

UNDERGROUND PIPING	ABOVEGROUND PIPING
SINGLE WALL PIPING 466	**SINGLE WALL PIPING** 467
ESSURIZED PIPING *(Check all that apply)*:	PRESSURIZED PIPING *(Check all that apply)*:
1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS	☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS
2. MONTHLY 0.2 GPH TEST	☐ 2. MONTHLY 0.2 GPH TEST
3. ANNUAL INTEGRITY TEST (0.1 GPH)	☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)
	☐ 4. DAILY VISUAL CHECK
NVENTIONAL SUCTION SYSTEMS:	CONVENTIONAL SUCTION SYSTEMS *(Check all that apply)*:
5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)	☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM
	☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)
FE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):	SAFE SUCTION SYTEMS (NO VALVES IN BELOW GROUND PIPING):
7. SELF MONITORING	☐ 7. SELF MONITORING
AVITY FLOW:	GRAVITY FLOW *(Check all that apply)*:
8. DAILY VISUAL MONITORING	☐ 8. DAILY VISUAL MONITORING
9. BIENNIAL INTEGRITY TEST (0.1 GPH)	☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)
SECONDARILY CONTAINED PIPING	**SECONDARILY CONTAINED PIPING**
ESSURIZED PIPING *(Check all that apply)*:	PRESSURIZED PIPING *(Check all that apply)*:
10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION ☐ c. NO AUTO PUMP SHUT OFF	10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one) ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION ☐ c. NO AUTO PUMP SHUT OFF
11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION	☐ 11. AUTOMATIC LEAK DETECTOR
12. ANNUAL INTEGRITY TEST (0.1GPH)	☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)
CTION/GRAVITY SYSTEM:	SUCTION / GRAVITY SYSTEM:
13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS	☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS
EMERGENCY GENERATORS ONLY *(Check all that apply)*	**EMERGENCY GENERATORS ONLY** *(Check all that apply)*
14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS	☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS
15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION	☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)
16. ANNUAL INTEGRITY TEST (0.1 GPH)	☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)
17. DAILY VISUAL CHECK	☐ 17. DAILY VISUAL CHECK

SPENSER CONTAINMENT	☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE	☐ 4. DAILY VISUAL CHECK
TE INSTALLED 468	☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS	☐ 5. TRENCH LINER / MONITORING
	☐ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS	☒ 6. NONE 469

tify that the information provided herein is true and accurate to the best of my knowledge.

GNATURE OF OWNER /OPERATOR	DATE 470
Randall L Garrison	Nov 24, 2000
ME OF OWNER / OPERATOR *(print)* 471	TITLE OF OWNER / OPERATOR 472
Randall L Garrison	President

mit Number *(For local use only)* 473	Permit Approved *(For local use only)* 474	Permit Expiration Date *(For local use only)* 475

Alameda County Environmental Health Services

Underground Storage Tank Operating Permit

Issue Date- January 2, 1999
Expiration Date- May 1, 1999

STID # 3820
Page 1 of 1

This permit is issued to the underground storage tank owner. It must be kept at the UST location at all times.
An application for the renewal of this permit must be filed with this office prior to the expiration date.
The permit holder must notify Alameda County Environmental Health Services within 30 days of any changes to the permit or UST systems, unless required to obtain approval before making the change.

UST Facility Name- Grand Harbor Fuel Dock — Address- 2099 Grand St, Alameda, CA 94501 (Tank Location) — Phone- 510-521-3835
Tank Operator- Randall L. Garrison — Address- 2099 Grand St, Alameda, CA 94501 — Phone- 510-521-3835
Tank Owner- Grand Harbor Fuel Dock — Phone- 415-454-4980

Total Number of USTs- 2
Emergency/Spill Response Plan- Yes — Emergency Contact Person (day)- Randall Garrison — Phone- 415-454-4980
Certification of Financial Responsibility- Yes — Emergency Contact Person (night)- Randall Garrison — Current Plot Plan- Yes
BOE # TY(TK)HQ-44-035688

	1	2
Owner's Tank ID # -------	1- 303820-000002	303820-000001
1- State UST I.D. from Form B (01-000-)	2- 12,000	12,000
2- Capacity (gallons)	3- Gasoline	Diesel
3- Hazardous Substance Stored	4- Interstitial	Interstitial
4- Monitoring Method for Tank	5- Continuous	Continuous
5- Tank Monitoring Frequency	6- Visible/Audible	Visible/Audible
6- Tank Monitoring Alarm?	7- None	None
7- Tank Integrity Test (frequency)	8- LineLeak	LineLeak
8- Monitoring Method for Piping	9- Hourly	Hourly
9- Piping Monitoring Frequency	10- Visible/Audible	Visible/Audible
10- Piping Monitoring Alarm?	11- No	No
11- Pump Shutdown?	12- Annual	Annual
12- Piping Precision Test (frequency)	13- Auto Shutoff	Auto Shutoff
13- Overfill (device)	14- 15	15
14- Spill Container/Size (gallons)	15- Fiberglass	Fiberglass
15- Corrosion Protection (method)		

This operating permit is granted subject to the following conditions:

A. All applicable state UST requirements contained in the California Code of Regulations, Title 23, Division 3, Chapters 16 and 18, the California Health & Safety Code, Division 20, Chapters 6.7 and 6.75, and all applicable local requirements.

B. The owner or operator must report any unauthorized releases to the environment to Alameda County Environmental Health Services within 24 hours after the release has been detected or should have been detected.[Call (510)567-6700 M-F from 8:30 to 5, and (510)567-7721 after hours]

C. The owner or operator must comply with the approved routine monitoring procedures and response plan which are attached to this permit.

D. Monitoring and maintenance records must be maintained on-site for 3 years.

Issued by Date JAN 2 1999

10/98 1

[redacted]

Manager
Grand Harbor Fuel Dock
2099 Grand Street
Alameda CA 94501

Subject: Operating permit for two underground storage tanks located at Grand Harbor Fuel Dock, 2099 Grand St., Alameda CA 94501

Dear Mr. Garrison:

This letter is intended to guide you, the owner-operator, in the proper management of the underground storage tanks (USTs) and to describe actions necessary for compliance with the permit conditions. The issuance of this permit represents the first time this facility has been granted a permit to operate.

Furthermore, issuance of this permit is based on an amendment to Health and Safety Code section 25281.5. The amendment allows unburied piping to be exempt from definition as piping. Therefore secondary containment of that piping is not required. However, you are required to perform daily visual inspections of the piping and log your observations. The exclusion of unburied piping from regulation shall not be applicable when and if the State of California Water Resources Control Board adopts regulations for the implementation of design and construction standards for unburied piping at marinas. The unburied piping will meet the standards set forth by the Board, at a later date or this permit shall be revoked.

The current installed system at the marina includes two double wall steel fiberglass clad tanks. Tank leak detection is performed using a Incon TS1000 monitoring system with an annular space sensor and a piping sump probe for each tank. The buried portion of pressurized piping is double wall fiberglass utilizing a sump on the tank to act as the containment for any fuel lost from the primary product piping. The unburied piping is constructed of single wall galvanized steel and rubber hose terminating at the dispenser. The dispenser does not possess secondary containment.

The electronic monitor is configured to alarm as a result of a liquid detection in the annular space of the tanks or in the piping sumps.

1. Perform leak detection using the sensors and monitoring system as described above and in the tank management plan. Perform daily visual inspections of the entire length of unburied piping and log the results of the inspection. If a leak is found correct the problem prior to further operation of the system. Record actions taken to correct the problem and indicate whether a release to the environment occurred.

2. Maintain written records of all alarm conditions resulting in liquid alarms and their resolution. Maintain records of all maintenance performed on the tank system.

3. **Annually** perform operational tests on the electronic monitoring equipment using qualified technicians. The month of **May** is the anniversary for the certification. Additionally, the pressurized piping shall be tested at 150% of nominal operating pressure with a release threshold of 0.1 gallon per hour. The mechanical line leak detector performance will be confirmed to detect a release equivalent to 3.0 gallons per hour at 10 psi. Each year submit a copy of the certificate to this office, within 30 days of the tests.

4. Maintain a copy of the operating permit and operating conditions on-site.

5. Complete employee training on the operation of the site and document such training at least annually.

6. Maintain certification of financial responsibility with documentation on-site.

7. Any changes in monitoring equipment must be pre-approved by this office prior to implementation.

8. Report changes in facility operator or tank owner on Form A within 30 days of the change.

9. Report unauthorized releases to this office within 24 hours of discovery. Provide a written report within 5 working days.

...is permit expires on May 1, 1999. Prior to the expiration date an inspection of the facility and a paperwork review will be conducted by this office. If you have any questions regarding the operation of this tank system please contact me at (510) 567-6781.

Sincerely,

Robert Weston
Sr. Hazardous Materials Specialist

enclosures

c: Tom Peacock, ACDEH

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: [✓] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY SITE CLOSURE [ ] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME: Grand Harbor Fuel Dock	NAME OF OPERATOR: Randall L. Garrison
ADDRESS: 2099 Grand St	NEAREST CROSS STREET:	PARCEL # (OPTIONAL):
CITY NAME: Alameda	STATE: CA	ZIP CODE: 94501	SITE PHONE # WITH AREA CODE: 510-521-3933

✓ BOX TO INDICATE: [✓] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL-AGENCY DISTRICTS [ ] COUNTY-AGENCY * [ ] STATE-AGENCY * [ ] FEDERAL-AGENCY *

* If owner of UST is a public agency, complete the following: name of supervisor of division, section or office which operates the UST ____

TYPE OF BUSINESS: [✓] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [ ] 5 OTHER

[ ] ✓ IF INDIAN RESERVATION OR TRUST LANDS | # OF TANKS AT SITE: 2 | E. P. A. I. D. # (optional):

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): Garrison Randall	PHONE # WITH AREA CODE: 415-454-4980	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST): Garrison Randall	PHONE # WITH AREA CODE: 415-454-4980	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: Grand Marina	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS: 2099 Grand St	✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [ ] STATE-AGENCY [✓] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY
CITY NAME: Alameda	STATE: CA	ZIP CODE: 94501	PHONE # WITH AREA CODE

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: Grand Harbor Fuel Dock	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS: 2099 Grand St	✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [ ] STATE-AGENCY [✓] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY
CITY NAME: Alameda	STATE: CA	ZIP CODE: 94501	PHONE # WITH AREA CODE: 510-521-3933

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44-035658

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: [ ] 1 SELF-INSURED [ ] 2 GUARANTEE [✓] 3 INSURANCE [ ] 4 SURETY BOND [ ] 5 LETTER OF CREDIT [ ] 6 EXEMPTION [ ] 7 STATE FUND [ ] 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER [ ] 9 STATE FUND & CERTIFICATE OF DEPOSIT [ ] 10 LOCAL GOVT. MECHANISM [ ] 99 OTHER ____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. [✓] II. [ ] III. [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE)	TANK OWNER'S TITLE	DATE MONTH/DAY/YEAR
Randall L. Garrison	President	Jan 12, 1998

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
01	000	303820

LOCATION CODE - *OPTIONAL* | CENSUS TRACT # - *OPTIONAL* | SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM A (6-95)

[redacted] APPLICATION - FORM B

[redacted] FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM: [✓] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Grand Harbor Fuel Dock

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - ENTER 0 OR UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: Modern Welding
C. DATE INSTALLED (MO/DAY/YEAR): 1989	D. TANK CAPACITY IN GALLONS: 12,000gls

II. TANK CONTENTS - IF A-1 IS MARKED, COMPLETE ITEM C.

A: [✓] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 90 EMPTY [ ] 95 UNKNOWN

B: [✓] 1 PRODUCT [ ] 2 WASTE

C: [✓] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 1c MIDGRADE UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 8 M85 [ ] 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF (A-1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED ____ C. A. S. #: ____

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [✓] 1 DOUBLE WALL [ ] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SINGLE WALL IN A VAULT [ ] 5 INTERNAL BLADDER SYSTEM [ ] 95 UNKNOWN [ ] 99 OTHER ____

B. TANK MATERIAL (Primary Tank): [✓] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER ____

C. INTERIOR LINING OR COATING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [✓] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER ____
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ____ NO ____

D. EXTERIOR CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [✓] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER 99

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) 1998 DROP TUBE YES ____ NO ____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ____ STRIKER PLATE YES ✓ NO ____ DISPENSER CONTAINMENT YES ____ NO ✓

IV. PIPING INFORMATION - CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U 4 FLEXIBLE PIPING; A U 99 OTHER

B. CONSTRUCTION: A U 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A U 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER

D. LEAK DETECTION: [✓] 1 MECHANICAL LINE LEAK DETECTOR [✓] 2 LINE TIGHTNESS TESTING [✓] 3 CONTINUOUS INTERSTITIAL MONITORING [ ] 4 ELECTRONIC LINE LEAK DETECTOR [ ] 5 AUTOMATIC PUMP SHUTDOWN [ ] 99 OTHER ____

V. TANK LEAK DETECTION

[✓] 1 VISUAL CHECK [ ] 2 MANUAL INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [✓] 6 ANNUAL TANK TESTING [✓] 7 CONTINUOUS INTERSTITIAL MONITORING [ ] 8 SIR [ ] 9 WEEKLY MANUAL TANK GAUGING [ ] 10 MONTHLY TANK TESTING [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE)	DATE
Randall L. Garrison Randall L. Garrison	1/16/98

LOCAL AGENCY USE ONLY - THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	303820	000002

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM B (6-95)

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: GRAND HARBOR FUEL DOCK

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.#: 2
B. MANUFACTURED BY: MODERN WELDING
C. DATE INSTALLED (MO/DAY/YEAR): 5-1-89
D. TANK CAPACITY IN GALLONS: 12,000

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A: [X] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN
B: [X] 1 PRODUCT [ ] 2 WASTE
C: [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 1c MIDGRADE UNLEADED [ ] 2 LEADED [X] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 8 M85 [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A-1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: C.A.S.#:

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [X] 1 DOUBLE WALL [ ] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SINGLE WALL IN A VAULT [ ] 5 INTERNAL BLADDER SYSTEM [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [X] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING OR COATING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [X] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [X] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER 93

E. SPILL AND OVERFILL, etc: SPILL CONTAINMENT INSTALLED (YEAR) 95 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) [redacted]
DRop TUBE: YES X NO ___ STRIKER PLATE: YES V NO N/A DISPENSER CONTAINMENT: YES ___ NO X

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION; A (U) 2 PRESSURE; A U 3 GRAVITY; A U 4 FLEXIBLE PIPING; A U 99 OTHER
B. CONSTRUCTION: A U 1 SINGLE WALL; A (U) 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION: (A) (U) 1 BARE STEEL 10; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A (U) 4 FIBERGLASS PIPE 20; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER
D. LEAK DETECTION: [X] 1 MECHANICAL LINE LEAK DETECTOR [X] 2 LINE TIGHTNESS TESTING [X] 3 CONTINUOUS INTERSTITIAL MONITORING [ ] 4 ELECTRONIC LINE LEAK DETECTOR [ ] 5 AUTOMATIC PUMP SHUTDOWN [ ] 99 OTHER

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK [ ] 2 MANUAL INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 ANNUAL TANK TESTING
[X] 7 CONTINUOUS INTERSTITIAL MONITORING [ ] 8 SIR [ ] 9 WEEKLY MANUAL TANK GAUGING [ ] 10 MONTHLY TANK TESTING [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR):
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE): Barbara L. Garrison — DATE: 11/22/95

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	30381 20	000001

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM B (6-95)

ALCO HAZMAT
FEB 15 PM 12:18

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

Consolidated Underground Tank Management Plan

Grand Harbor Fuel Dock
Name of Facility

2099 Grand St — Address
Alameda 94501 — City, Zip
510-521-3835 — Phone

This questionaire provides supplemental information for the underground tank application forms A and B as required by Article 10, Title 23 of the California Code of Regulations.

Check Sections As Completed

- ✓ I Plot Plan
- II Monitoring Plan and Tank system Description
- III Record Keeping and Reporting
- IV Leak Response Plan
- V Emergency Equipment (Spill Control Equip. or Supplies)

If you suspect your tank system is leaking due to:

(a) Variations from inventory reconciliation
(b) Failed - tank/piping integrity testing
(c) Electronic alarm signals or sounds

Feb 7, 94

Notify the Alameda County Environmental Health Department, Hazardous Materials Division at (510) 271-4320.

PART II

Monitoring Plan
Description of Underground Tanks

***Types *D.W.=Double Walled Tank *S.W.=Single Walled *L=Liner**

***D.P.=Double Walled Piping**

I.D.#	Tank Capacity	Contents	Construction (Indicate SW, DW or L) Tank	Piping
~~*ex. 1~~	~~10,000~~	~~Unleaded Gasoline~~	~~DW~~	~~DW~~
1	12,000	Unleaded Gasoline	DW	DW
1	12,000	Diesel	DW	DW

(Attach an additional sheet for sites with more than 6 tanks)

Facility Owner/Operator Grand Harbor Fuel Phone 521-3830

Address 2099 Grand St Alameda, CA

Tank Owner or Corporation Grand Harbor Fuel Phone 521-3830

Corporation Representative Randall L. Garrison

Corporation Address 2099 Grand St. Alameda

Land Owner Grand Marina

Address 2099 Grand ST City Alameda Phone 510-865-1200

Grand Harbor Fuel Dock

FACILITY DESCRIPTION-TANKS

Two 12,000 gallon TypeII Double Wall UL58 tanks installed underground according to CALIFORNIA UNDERGROUND STORAGE TANK REGULATIONS August 1985,Authority H&SC 25299.3
Reference H&SC 252281, 25299.

Related Fuel Tank Equipment

2 #91 Tokheim 26" x 26" street boxes
2 P7551 Red Jacket 3/4HP Submersible Pumps
2 116-017 Red Jacket Leak Detectors
2 880-029 Red Jacket Pump Control Boxes
1 Q0104-505 Q0104-505 Emco-Wheaton Leack Sensor II with four liquid sensors.
2 785-RC Tokheim Dispensers with 1" x 75' hose and A2000 automatic nozzels.
2 214R-12S CN1 12" monitor manholes.
2 A1003-001 Emco-Wheaton containment manholes.
2 A97-005 Emco-Wheaton 4" Fill Caps.
1 A88-001 Emco-Wheaton 4" coaxial drop tube, with adaptor.
1 A30-014 Emco-Wheaton 4" fill adaptor.
1 A20-004 Emco-Wheaton 4" drop tube.
2 A717-001 Emco-Wheaton 8" manholes.
2 A584-003 Emco-Wheaton 4" Extractor Caps.
2 V421 Universal 2 x 2 Extractor Housing.
2 #37 Universal 2 x 6 x 1/16" Float Valves.
2 493016 Emco-Wheaton 2" Vent Caps.

Piping will consist of two - 2" and one 3" Fiber glass double-contained to dock. Under dock is #40 Steel extruded with #80 couplings. The three inch commercial pipe will have full threaded connections with steel pipe flanges meeting standard B16.5-1977. One hundred gallon containment boxes will be at each end. Lock caps installed at each end. Pipes to be preasure tested and inspected. Triangle MicroSystem TMS 800F monitoring controls installed to pumps on floating dock.

Grand Harbor Fuel Dock

FACILITIES DESCRIPTION-CONT'd

9)
Pre-transfer mooring, lighting, weather protection and other necessary fueling station precautions are to be reviewed prior to transfer, during declaration of inspection.

10)
HAZARDS

No welding/burning open flames or smoking is allowed during transfer.

Transfer personnel are directed to secure fueling if open flame, arcing, sparking etc, are observed.

Engines are to be secured during transfer operation, unless exhaust is water scrubbed.

Motor vechicles are not allowed on dock during fueling.

Heating devices are not allowed in vicinity of fueling operation.

11)
PRODUCTS

See attached Product Material Safety Data Sheets (CHAPTER 6)

Volumes of product at single transfer on floating dock.

Diesel	1,000 gallons
Gasoline	500 gallons
Lubricating Oil	20 gallons
Grease, etc	25 lbs

[redacted]

Grand Harbor Fuel Dock is capable of three simeltaineous fuelings at the recreational dock. Only one commercial fueling at a time is allowed.

Grand Harbor Fuel Dock

FACILITY DESCRIPTION-CONT'D

1)

Fuel will be received by commercial land vechicles in conformance with United States D.O.T., CAL-TRANS and CAL-OSHA requirements.

2)
Fuel received for 3" Commercial Line will be from suppliers on United States Coast Guard approved list.

3)
Fuel is to stored in two 12,000 gallon underground tanks,apanks,appr by necessary regulating agencies.

4)
Piping is of approved double wall plastic construction including the 3" commercial line. All fittings, valves, pumps etc, are of approved materials, with inspection and pressure testing to be accomplished before operation.

5)
Fueling station consists of Marine Commercial design. Built in metering and control. Control of hose station for transfer to receiving vessel, relief protection, back pressure, shut-off and emergancy shut-off are integral to system.

6)
Communication is verbal/visual for transfer on the floating dock for recreational vessels. Authorization from P.I.C. required to begin fueling.

7)
Communication for transfer of fuel through 3" commercial line is via two-way radio between P.I.C. of vessel and P.I.C. of facility. Portable radios to meet Class 1, Division 1 Group D requirements.

8)
Lighting is to be at beginninnd of commercial line, and on dock areas. Lighting is to be shielded and have 5.0 foot candle capacity at transfer points.

Certification

I hereby Certify, under penalty of perjury, that the information contained in this management plan is true and correct. I understand that I will be required to show proof of compliance by facility inspection from a representative of this office and submit all required records and reports pursuant to Article 5 of Title 23, California Code of Regulations.

Authorized Signature	Title
Randall L. Garrison	President
Print Name	**Date**
	Feb 7, 1994

*The next section, Part IV Leak Response Plan, should be completed in conjunction with the Hazardous Materials Management Plan (Part II).

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

Consolidated Underground Tank Management Plan

Grand Harbor Fuel Dock
Name of Facility

2099 Grand St	Alameda 94501	510-521-3835
Address	City, Zip	Phone

This questionaire provides supplemental information for the underground tank application forms A and B as required by Article 10, Title 23 of the California Code of Regulations.

Check Sections As Completed

- ✓ I Plot Plan
- II Monitoring Plan and Tank system Description
- III Record Keeping and Reporting
- IV Leak Response Plan
- V Emergency Equipment (Spill Control Equip. or Supplies)

If you suspect your tank system is leaking due to:

(a) Variations from inventory reconciliation

(b) Failed - tank/piping integrity testing

(c) Electronic alarm signals or sounds

Notify the Alameda County Environmental Health Department, Hazardous Materials Division at (510) 271-4320.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

CERTIFICATION OF COMPLIANCE
FOR UNDERGROUND STORAGE TANK INSTALLATION
FORM C

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

I. SITE LOCATION

STREET 2099 Grand Street

CITY Alameda COUNTY Alameda

II. INSTALLATION (mark all that apply):

- [x] The installer has been certified by the tank and piping manufacturers.
- [ ] The installation has been inspected and certified by a registered professional engineer.
- [x] The installation has been inspected and approved by the implementing agency.
- [x] All work listed on the manufacturer's installation checklist has been completed.
- [x] The installation Contractor has been certified or licensed by the Contractors State License Board.
- [ ] Another method was used as allowed by the implementing agency. (Please specify.)

III. OATH I certify that the information provided is true to the best of my belief and knowledge.

Tank Owner/Agent Grand Harbor Fuel Dock Date 1/31/94

Print Name Randall L. Garrison Phone (510) 521-8835

Address 2099 Grand ST Alameda, CA 94501

LOCAL AGENCY USE ONLY

STATE TANK I.D. #	COUNTY #	JURISDICTION #	FACILITY #	TANK #

FORM C (7/91) THIS FORM MUST BE ACCOMPANIED BY PERMIT APPLICATION FORMS A & B UNLESS THEY HAVE BEEN FILED PREVIOUSLY FOR0035C7

PART II

Monitoring Plan
Description of Underground Tanks

*Types *D.W.=Double Walled Tank *S.W.=Single Walled *L=Liner
*D.P.=Double Walled Piping

	I.D.#	Tank Capacity	Contents	Construction (Indicate SW, DW or L) Tank	Piping
*ex.	1	10,000	Unleaded Gasoline	DW	DW
	1	12,000	Unleaded Gasoline	DW	DW
	1	12,000	Diesel	DW	DW

(Attach an additional sheet for sites with more than 6 tanks)

Facility Owner/Operator Grand Harbor Fuel Phone 521-8835

Address 2099 Grand St Alameda, CA

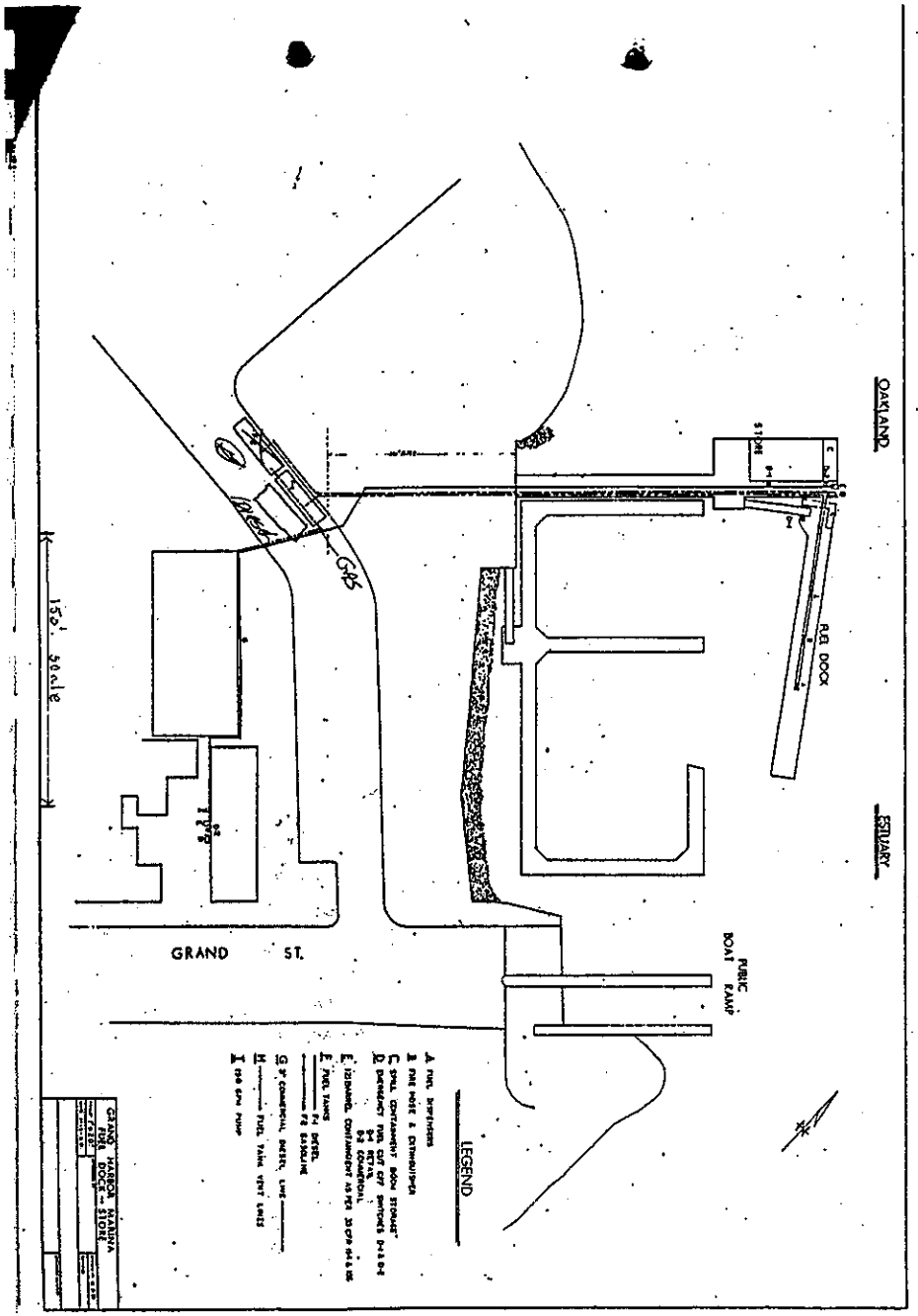
Tank Owner or Corporation Grand Harbor Fuel Phone 521-8835

Corporation Representative Randall L. Garrison

Corporation Address 2099 Grand St. Alameda

Land Owner Grand Marina

Address 2099 Grand ST City Alameda Phone 510-865-1305



Plot Plan 2/15/94

#3820

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☑ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME: Grand Harbor Fuel Dock
NAME OF OPERATOR: Randall L. Garrison
ADDRESS: 2099 Grand St
NEAREST CROSS STREET: Clement
PARCEL # (OPTIONAL):
CITY NAME: Alameda
STATE: CA
ZIP CODE: 94501
SITE PHONE # WITH AREA CODE: 510-521-3835

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS: ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER
☐ ✓ IF INDIAN RESERVATION OR TRUST LANDS
OF TANKS AT SITE: 2
E. P. A. I. D. # (optional):

EMERGENCY CONTACT PERSON (PRIMARY)
DAYS: NAME (LAST, FIRST): Garrison, Randall
PHONE # WITH AREA CODE: 510-521-3835
NIGHTS: NAME (LAST, FIRST): Garrison, Randall
PHONE # WITH AREA CODE: 415-457-3787

EMERGENCY CONTACT PERSON (SECONDARY) - optional
DAYS: NAME (LAST, FIRST):
PHONE # WITH AREA CODE:
NIGHTS: NAME (LAST, FIRST):
PHONE # WITH AREA CODE:

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: Grand Marina
CARE OF ADDRESS INFORMATION
✓ box to indicate: ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
MAILING OR STREET ADDRESS: 2099 Grand St
CITY NAME: Alameda
STATE: CA
ZIP CODE: 94501
PHONE # WITH AREA CODE: 510-865-1200

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: Grand Harbor Fuel Dock
CARE OF ADDRESS INFORMATION: Randall L. Garrison
✓ box to indicate: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
MAILING OR STREET ADDRESS: 2099 Grand St
CITY NAME: Alameda, Calif
STATE: CA
ZIP CODE: 94501
PHONE # WITH AREA CODE: 510-521-3836

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44-035688

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☑ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): Randall L. Garrison
APPLICANT'S TITLE: President
DATE, MONTH/DAY/YEAR: 1/31/94

LOCAL AGENCY USE ONLY

COUNTY #: 01
JURISDICTION #: 000
FACILITY #: 30381-20
LOCATION CODE - OPTIONAL
CENSUS TRACT # - OPTIONAL
SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

FORM A (5-91)

FOR0003A-5

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Grand Harbor Fuel Dock

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.#:
B. MANUFACTURED BY: Modern Welding
C. DATE INSTALLED (MO/DAY/YEAR): 4/89
D. TANK CAPACITY IN GALLONS: 12,000

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. [X] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN
B. [ ] 1 PRODUCT [ ] 2 WASTE
C. [ ] 1a REGULAR UNLEADED [X] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: C.A.S.#:

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [X] 1 DOUBLE WALL [ ] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER
B. TANK MATERIAL (Primary Tank): [ ] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [X] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER
C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [ ] 6 UNLINED [X] 95 UNKNOWN [ ] 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___
D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [X] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER
E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) 1989 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1989

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION (A) U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION: A U 1 SINGLE WALL A (U) 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A (U) 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION: [X] 1 AUTOMATIC LINE LEAK DETECTOR [ ] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [ ] 99 OTHER

V. TANK LEAK DETECTION
[ ] 1 VISUAL CHECK [X] 2 INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): Randall L. Garrison — DATE: 1/3/94

LOCAL AGENCY USE ONLY — THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	30382D	000002

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM B (12-91) FORM018-96

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B
COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.
MARK ONLY ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED [ ] 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Grand Harbor Fuel Dock
I. TANK DESCRIPTION — COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D.#:
B. MANUFACTURED BY: Modern Welding
C. DATE INSTALLED (MO/DAY/YEAR): 4/89
D. TANK CAPACITY IN GALLONS: 12000
II. TANK CONTENTS — IF A-1 IS MARKED, COMPLETE ITEM C.
A. [X] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN
B. [ ] 1 PRODUCT [ ] 2 WASTE
C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [X] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: C.A.S.#:
III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF SYSTEM: [X] 1 DOUBLE WALL [ ] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER
B. TANK MATERIAL (Primary Tank): [ ] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [X] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER
C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [X] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [ ] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___
D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [X] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER
E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) 1989 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1989
IV. PIPING INFORMATION — CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE: A (U) 1 SUCTION A (U) 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION: A U 1 SINGLE WALL A (U) 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A (U) 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION: [X] 1 AUTOMATIC LINE LEAK DETECTOR [ ] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [ ] 99 OTHER
V. TANK LEAK DETECTION
[ ] 1 VISUAL CHECK [X] 2 INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER
VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANT'S NAME (PRINTED & SIGNATURE): Randall L. Garrison — DATE: 1/3/94
LOCAL AGENCY USE ONLY — THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	30382D	000001

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS
FORM B (12-91) FORM018-96

[redacted]

NO. 11643

[redacted] PERMANENTLY CLOSED SITE

I. FACILITY/SITE [redacted] — (MUST BE COMPLETED)

FACILITY/SITE NAME: ENCINAL MARINA	CARE OF ADDRESS INFORMATION: SAME
ADDRESS: 2099 GRAND ST	NEAREST CROSS STREET: GRAND
CITY NAME: ALAMEDA	STATE: CA ZIP CODE: SITE PHONE #, WITH AREA CODE: 865-1200
TYPE OF BUSINESS: 1 GAS STATION 2 DISTRIBUTOR 3 FARM 4 PROCESSOR 5 OTHER	EPA ID #: # of TANK's AT THIS SITE:
EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY)
DAYS: NAME (LAST, FIRST): RANDY GARRISON PHONE # WITH AREA CODE: 415 ~~707~~ 865-1200	DAYS: NAME (LAST, FIRST): ENCINAL MARINA PHONE # WITH AREA CODE: 415 865-1200
NIGHTS: NAME (LAST, FIRST): RANDY GARRISON PHONE # WITH AREA CODE: 707-552-5144	NIGHTS: NAME (LAST, FIRST): SAME PHONE # WITH AREA CODE:

II. PROPERTY OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: RANDY GARRISON	CARE OF ADDRESS INFORMATION
MAILING or STREET ADDRESS: 35 CANYON RD	Box to Indicate: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL AGENCY ☐ COUNTY AGENCY ☐ STATE AGENCY ☐ FEDERAL AGENCY
CITY NAME: FAIRFAX, CA	STATE: CA ZIP CODE: 94930 PHONE #, WITH AREA CODE: 707-552-5144

III. TANK OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: RANDY GARRISON	CARE OF ADDRESS INFORMATION
MAILING or STREET ADDRESS: 35 CANYON RD	Box to Indicate: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL AGENCY ☐ COUNTY AGENCY ☐ STATE AGENCY ☐ FEDERAL AGENCY
CITY NAME: FAIRFAX	STATE: CA ZIP CODE: 94930 PHONE #, WITH AREA CODE: 707-552-5144

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

CHECK ONE (1) BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR BOTH LEGAL NOTIFICATION AND BILLING: I. ☐ II. ☐ III. ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE): PATRICK J. McSHANE Patrick J McShane DATE: 4/4/89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	# of TANKS at SITE

CURRENT LOCAL AGENCY FACILITY ID # | APPROVED BY NAME | PHONE # WITH AREA CODE

PERMIT NUMBER | PERMIT APPROVAL DATE | PERMIT EXPIRATION DATE

LOCATION CODE | CENSUS TRACT # | SUPERVISOR-DISTRICT CODE | BUSINESS PLAN FILED YES ☐ NO ☐ | DATE FILED

CHECK # | PERMIT AMOUNT | SURCHARGE AMOUNT | FEE CODE | RECEIPT # | BY:

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE TANK PERMIT FORM "B" APPLICATION(S), UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

FORM A (3-2-88)

LOCAL AGENCY COPY

STATE OF CALIFORN[redacted] WATER RESOURCES CONTR[redacted]

FORM B: [redacted] UNDERGROUND STORAGE [redacted]

TANK TANK PERMIT APPLICATION INFORMATION

COMPLETE A SEPARATE FORM WITH THE FOLLOWING INFORMATION FOR EACH TANK.

MARK ONLY ONE ITEM: ☒ 1 NEW [redacted] ☐ 2 [redacted] ☐ 3 [redacted] ☐ 4 [redacted] ☐ 5 [redacted] ☐ 6 PERMANENTLY CLOSED TANK ☐ 7 OTHER REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: ENCINAL MARINA FARM TANK - YES ☐ NO ☒

I. TANK DESCRIPTION COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID #: UNK	B. MANUFACTURED BY: MODERN WELDING
C. YEAR INSTALLED: 1989	D. TANK CAPACITY IN GALLONS: 12,000

II. TANK CONTENTS IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 5 HAZARDOUS ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1 UNLEADED ☐ 2 LEADED ☒ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # C.A.S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM	☒ 1 DOUBLE WALLED ☐ 2 SINGLE WALLED	☐ 3 SINGLE WALLED WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT	☐ 95 UNKNOWN ☐ 99 OTHER	11/1/89
B. TANK MATERIAL	☐ 1 STEEL/IRON ☐ 5 CONCRETE ☐ 9 BRONZE	☐ 2 STAINLESS STEEL ☐ 6 POLYVINYL CHLORIDE ☐ 10 GALVANIZED STEEL	☐ 3 FIBERGLASS ☐ 7 ALUMINUM ☐ 95 UNKNOWN	☒ 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC ☐ 8 100% METHANOL COMPATIBLE FRP ☐ 99 OTHER
C. INTERIOR LINING	☐ 1 RUBBER LINED ☐ 5 GLASS LINING ☐ IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?	☐ 2 ALKYD LINING ☒ 6 UNLINED ☐ YES ☐ NO	☐ 3 EPOXY LINING	☐ 4 PHENOLIC LINING ☐ 95 UNKNOWN ☐ 99 OTHER
D. CORROSION PROTECTION	☐ 1 POLYETHLENE WRAP ☐ 5 CATHODIC PROTECTION	☐ 2 TAR OR ASPHALT ☐ 91 NONE	☐ 3 VINYL WRAP ☐ 95 UNKNOWN	☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 99 OTHER

IV. PIPING INFORMATION CIRCLE **A** IF ABOVE GROUND, **U** IF UNDERGROUND, **BOTH IF APPLICABLE**

A. SYSTEM TYPE	A U 1 SUCTION	(A) U 2 PRESSURE	A U 3 GRAVITY	A U 91 NONE A U 95 UNKNOWN A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALLED	(A) U 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 91 NONE A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL	A U 1 STEEL/IRON A U 5 ALUMINUM A U 9 GALVANIZED STEEL	A U 2 STAINLESS STEEL A U 6 CONCRETE A U 95 UNKNOWN	A U 3 POLYVINYL CHLORIDE (PVC) A U 7 STEEL CLAD W/FRP	(A) U 4 FIBERGLASS PIPE A U 91 NONE A U 8 100% METHANOL COMPATIBLE FRP A U 99 OTHER

V. LEAK DETECTION SYSTEM CIRCLE **P** FOR PRIMARY, OR **S** FOR SECONDARY, **A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.**

P S 1 VISUAL CHECK P S 2 INVENTORY RECONCILIATION P S 3 VADOSE WELLS (P) S 4 ELECTRONIC MONITOR P S 5 GROUND WATER MONITORING WELLS P S 6 PRECISION TESTING P S 7 PRESSURE TESTING P S 91 NONE P S 95 UNKNOWN P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? ☐ YES ☐ NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE): PATRICK J McSHANE DATE: 4/4/89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	TANK ID #
48				

CURRENT LOCAL AGENCY FACILITY ID # | APPROVED BY NAME | PHONE # WITH AREA CODE

PERMIT NUMBER | PERMIT APPROVAL DATE | PERMIT EXPIRATION DATE

CHECK # | PERMIT AMOUNT | SURCHARGE AMT. | FEE CODE | RECEIPT # | BY:

FORM B (6-29-88) THIS FORM MUST BE ACCOMPANIED BY A FACILITY/SITE APPLICATION, FORM 'A', UNLESS A CURRENT FORM 'A' HAS BEEN FILED

LOCAL AGENCY COPY

30822

STATE OF CALIFORNIA — WATER RESOURCES CONTROL BOARD

FORM 'B': **TANK**

UNDERGROUND STORAGE TANK PERMIT APPLICATION INFORMATION

COMPLETE A SEPARATE FORM WITH THE FOLLOWING INFORMATION FOR EACH TANK.

MARK ONLY ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED TANK [ ] 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: ENTRAL MARINA — FARM TANK - YES [ ] NO [ ]

I. TANK DESCRIPTION — COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID # UNK	B. MANUFACTURED BY: MODERN
C. YEAR INSTALLED 1989	D. TANK CAPACITY IN GALLONS: 12,000

II. TANK CONTENTS — IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A. [ ] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 5 HAZARDOUS [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1 UNLEADED [X] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # — C.A.S. #:

III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM: [X] 1 DOUBLE WALLED [ ] 2 SINGLE WALLED [ ] 3 SINGLE WALLED WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL: [ ] 1 STEEL/IRON [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [X] 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [X] 6 UNLINED [ ] 95 UNKNOWN [ ] IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? [ ] YES [ ] NO [ ] 99 OTHER

D. CORROSION PROTECTION: [ ] 1 POLYETHLENE WRAP [ ] 2 TAR OR ASPHALT [ ] 3 VINYL WRAP [X] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

IV. PIPING INFORMATION — CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A (U) 2 PRESSURE	A U 3 GRAVITY	A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER			
B. CONSTRUCTION	A U 1 SINGLE WALLED	A (U) 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER			
C. MATERIAL	A U 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A (U) 4 FIBERGLASS PIPE	A U 91 NONE				
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7- STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP					
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER						

V. LEAK DETECTION SYSTEM — CIRCLE P FOR PRIMARY, OR S FOR SECONDARY. A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK; P S 2 INVENTORY RECONCILIATION; P S 3 VADOSE WELLS; (P) S 4 ELECTRONIC MONITOR; P S 5 GROUND WATER MONITORING WELLS; P S 6 PRECISION TESTING; P S 7 PRESSURE TESTING; P S 91 NONE; P S 95 UNKNOWN; P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? [ ] YES [ ] NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE): PATRICK J MCSHANE — DATE: 4/4/89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	TANK ID #

CURRENT LOCAL AGENCY FACILITY ID # | APPROVED BY NAME | PHONE # WITH AREA CODE

PERMIT NUMBER | PERMIT APPROVAL DATE | PERMIT EXPIRATION DATE

CHECK # | PERMIT AMOUNT | SURCHARGE AMT. | FEE CODE | RECEIPT # | BY:

FORM B (6-29-88) THIS FORM MUST BE ACCOMPANIED BY A FACILITY/SITE APPLICATION, FORM 'A', UNLESS A CURRENT FORM 'A' HAS BEEN FILED

STATE OF CALIFORNIA — WATER RESOURCES CONTROL BOARD

FORM 'B': **TANK**

UNDERGROUND STORAGE TANK PERMIT APPLICATION INFORMATION

COMPLETE A SEPARATE FORM WITH THE FOLLOWING INFORMATION FOR EACH TANK.

MARK ONLY ONE ITEM: [✓] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED TANK [ ] 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: — FARM TANK - YES [ ] NO [✓]

I. TANK DESCRIPTION — COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID #	B. MANUFACTURED BY: MODERN WELDING
C. YEAR INSTALLED	D. TANK CAPACITY IN GALLONS: 12000

II. TANK CONTENTS — IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A. [✓] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 5 HAZARDOUS [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1 UNLEADED [✓] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # — C.A.S. #:

III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM: [✓] 1 DOUBLE WALLED [ ] 2 SINGLE WALLED [ ] 3 SINGLE WALLED WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL: [ ] 1 STEEL/IRON [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [✓] 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [✓] 6 UNLINED [ ] 95 UNKNOWN [ ] IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? [ ] YES [ ] NO [ ] 99 OTHER

D. CORROSION PROTECTION: [ ] 1 POLYETHLENE WRAP [ ] 2 TAR OR ASPHALT [ ] 3 VINYL WRAP [✓] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

IV. PIPING INFORMATION — CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A (U) 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER					
B. CONSTRUCTION	A U 1 SINGLE WALLED	A (U) 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER				
C. MATERIAL	A U 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A (U) 4 FIBERGLASS PIPE					
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP					
	(A) U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER						

V. LEAK DETECTION SYSTEM — CIRCLE P FOR PRIMARY, OR S FOR SECONDARY. A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK; P S 2 INVENTORY RECONCILIATION; P S 3 VADOSE WELLS; (P) S 4 ELECTRONIC MONITOR; P S 5 GROUND WATER MONITORING WELLS; P S 6 PRECISION TESTING; P S 7 PRESSURE TESTING; P S 91 NONE; P S 95 UNKNOWN; P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? [ ] YES [ ] NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE): RANDALL L. GARRISON — DATE: JAN. 17, 1989

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	TANK ID #

CURRENT LOCAL AGENCY FACILITY ID # | APPROVED BY NAME | PHONE # WITH AREA CODE

PERMIT NUMBER | PERMIT APPROVAL DATE | PERMIT EXPIRATION DATE

CHECK # | PERMIT AMOUNT | SURCHARGE AMT. | FEE CODE | RECEIPT # | BY:

FORM B (3-7-88) THIS FORM MUST BE ACCOMPANIED BY A FACILITY/SITE APPLICATION, FORM 'A', UNLESS A CURRENT FORM 'A' HAS BEEN FILED

DATA PROCESSING COPY

17382

STATE OF CALIFORNIA — WATER RESOURCES CONTROL BOARD

FORM 'A': SITE

UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE INFORMATION and/or PERMIT APPLICATION

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: [✓] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY SITE CLOSURE [ ] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS — (MUST BE COMPLETED)

FACILITY/SITE NAME: GRAND HARBOR FUEL DOCK	CARE OF ADDRESS INFORMATION:
ADDRESS: 2099 GRAND AVENUE	NEAREST CROSS STREET: [✓] Box to indicate CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL-AGENCY [ ] COUNTY-AGENCY [ ] STATE-AGENCY [ ] FEDERAL-AGENCY
CITY NAME: ALAMEDA, CALIF. 94501	STATE: CA; ZIP CODE: 94501; SITE PHONE #, WITH AREA CODE: 415-865-1200
TYPE OF BUSINESS: [ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [X] 5 OTHER; [ ] ✓ Box if INDIAN RESERVATION or TRUST LANDS	EPA ID #: ; # of TANK's AT THIS SITE: 2
EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY)
DAYS: NAME (LAST, FIRST): GARRISON, RANDALL; PHONE # WITH AREA CODE: 415-865-1200	DAYS: NAME (LAST, FIRST): PLANK, DOUGLASS; PHONE # WITH AREA CODE: 415-865-1200
NIGHTS: NAME (LAST, FIRST): GARRISON, RANDALL; PHONE # WITH AREA CODE: 415-457-3937	NIGHTS: NAME (LAST, FIRST): PLANK, DOUGLASS; PHONE # WITH AREA CODE: 415-865-3655

II. PROPERTY OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: ENCINAL MARINE LTD.	CARE OF ADDRESS INFORMATION:
MAILING or STREET ADDRESS: 2099 GRAND AVENUE	✓ Box to indicate [ ] CORPORATION [X] PARTNERSHIP [ ] INDIVIDUAL [ ] LOCAL-AGENCY [ ] COUNTY-AGENCY [ ] STATE-AGENCY [ ] FEDERAL-AGENCY
CITY NAME: ALAMEDA CALIF 94501	STATE: CALIF; ZIP CODE: 94501; PHONE #, WITH AREA CODE: 415-865-1200

III. TANK OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: GRAND HARBOR FUEL DOCK	CARE OF ADDRESS INFORMATION:
MAILING or STREET ADDRESS: 2099 GRAND STREET	✓ Box to indicate [X] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL-AGENCY [ ] COUNTY-AGENCY [ ] STATE-AGENCY [ ] FEDERAL-AGENCY
CITY NAME: ALAMEDA	STATE: CALIF; ZIP CODE: 94501; PHONE #, WITH AREA CODE: 415-865-1200

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

CHECK ONE (1) BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR BOTH LEGAL NOTIFICATION AND BILLING: I. [X] II. [ ] III. [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
RANDALL L. GARRISON [signature]	JAN. 17, 1989

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	# of TANKS at SITE

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE
PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE
LOCATION CODE	CENSUS TRACT #	SUPERVISOR-DISTRICT CODE
BUSINESS PLAN FILED: YES [ ] NO [ ]	DATE FILED	
CHECK #	PERMIT AMOUNT	SURCHARGE AMOUNT
FEE CODE	RECEIPT #	BY:

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE TANK PERMIT FORM 'B' APPLICATION(S), UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

FORM A (3-2-88)

DATA PROCESSING COPY

1311

STATE OF CALIFORNIA — WATER RESOURCES CONTROL BOARD

FORM 'B': TANK

UNDERGROUND STORAGE TANK PROGRAM
TANK PERMIT APPLICATION INFORMATION

COMPLETE A SEPARATE FORM WITH THE FOLLOWING INFORMATION FOR EACH TANK.

MARK ONLY ONE ITEM: [✓] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED TANK [ ] 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: FARM TANK - YES [ ] NO [✓]

I. TANK DESCRIPTION — COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID #	B. MANUFACTURED BY: MODERN WELDING
C. YEAR INSTALLED	D. TANK CAPACITY IN GALLONS: 12 000

II. TANK CONTENTS — IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A. [✓] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 5 HAZARDOUS [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1 UNLEADED [ ] 2 LEADED [✓] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # C.A.S. #:

III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM	[✓] 1 DOUBLE WALLED	[ ] 3 SINGLE WALLED WITH EXTERIOR LINER	[ ] 95 UNKNOWN	
	[ ] 2 SINGLE WALLED	[ ] 4 SECONDARY CONTAINMENT	[ ] 99 OTHER	
B. TANK MATERIAL	[ ] 1 STEEL/IRON	[ ] 2 STAINLESS STEEL	[ ] 3 FIBERGLASS	[✓] 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC
	[ ] 5 CONCRETE	[ ] 6 POLYVINYL CHLORIDE	[ ] 7 ALUMINUM	[ ] 8 100% METHANOL COMPATIBLE FRP
	[ ] 9 BRONZE	[ ] 10 GALVANIZED STEEL	[ ] 95 UNKNOWN	[ ] 99 OTHER
C. INTERIOR LINING	[ ] 1 RUBBER LINED	[ ] 2 ALKYD LINING	[ ] 3 EPOXY LINING	[ ] 4 PHENOLIC LINING
	[ ] 5 GLASS LINING	[✓] 6 UNLINED		[ ] 95 UNKNOWN
	[ ] IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? [ ] YES [ ] NO			[ ] 99 OTHER
D. CORROSION PROTECTION	[ ] 1 POLYETHLENE WRAP	[ ] 2 TAR OR ASPHALT	[ ] 3 VINYL WRAP	[✓] 4 FIBERGLASS REINFORCED PLASTIC
	[ ] 5 CATHODIC PROTECTION	[ ] 91 NONE	[ ] 95 UNKNOWN	[ ] 99 OTHER

IV. PIPING INFORMATION — CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	(A) U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALLED	A (U) 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL	(A) U 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A (U) 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER	

V. LEAK DETECTION SYSTEM — CIRCLE P FOR PRIMARY, OR S FOR SECONDARY. A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK P S 2 INVENTORY RECONCILIATION P S 3 VADOSE WELLS (P) S 4 ELECTRONIC MONITOR P S 5 GROUND WATER MONITORING WELLS
P S 6 PRECISION TESTING P S 7 PRESSURE TESTING P S 91 NONE P S 95 UNKNOWN P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? [ ] YES [ ] NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
RANDALL L. GARRISON [signature]	JAN 17, 1989

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	TANK ID #

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE
PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE
CHECK #	PERMIT AMOUNT	SURCHARGE AMT.
FEE CODE	RECEIPT #	BY:

FORM B (3-7-88) THIS FORM MUST BE ACCOMPANIED BY A FACILITY/SITE APPLICATION, FORM 'A', UNLESS A CURRENT FORM 'A' HAS BEEN FILED

*** CITY of ALAMEDA ***
Property Inquiry File
02/23/92

Permit Address: 2099 GRAND ST

PERMIT/#	ISSUE DATE	FINAL DATE	CONTRACTOR	JOB	APT
PP-87-6434	09/02/87	10/16/90	ENC MARINA	PBG - ADD VENTS	
BP-87-1553	09/02/87	/ /	TO BE SELECTED	DEMO OF EXISTING MARINE PIER	
EX-87-0092	12/02/87	06/01/88	ENCINAL MARINA	SEWAGE LINE	
BP-88-0773	07/11/88	08/08/88	TO BE DETERMINE	INSTALL SIGN	
BP-88-1608	12/28/88	/ /	TO BE DETERMINE	ADDEN-REVISE GANGW/PIER/WOU	
PP-88-6878	05/11/88	/ /	TO BE DETERMINE	PBG - FIRELINES & HOSE BITS	
BP-88-0817	07/18/88	12/05/88	ZACCOR CORP	DEMO GARAGE	
BP-88-1443	11/23/88	/ /	TO BE DETERMINE	BUILD CONCRETE/STEEL PIER	
BP-88-1553	12/06/88	11/07/89	TO BE DETERMINE	NEW TOILET BUILDING AT MARIN	
BP-88-0110	02/03/89	/ /	TO BE DETERMINE	NEW 2 STORY BUILDING ON DOCK	
BP-89-0109	02/03/89	/ /	TO BE DETERMINE	ADDENUM TO 87-1682	
EX-88-0163	10/19/88	02/28/89	ENCINAL MARINA	STORM DRAINS	
EX-88-0175	10/31/88	/ /	EBMUD	SERVICE KILL	
EX-88-0155	10/04/88	02/28/89	ENCINAL MARINA	ELECTRICAL AND TELEPHONE SER	
EX-88-0161	10/12/88	02/28/89	ENCINAL MARINA	INSTALL SEWER SERVICE	
EX-88-0196	11/15/88	02/28/89	ENCINAL MARINA	PLACE CURB & GUTTER	
EX-88-0185	11/07/88	/ /	PGSE	INSTALL GAS SERVICE	
EX-88-0197	11/15/88	02/28/89	ENCINAL MARINA	REPLACE CURB & GUTTER	
PP-89-5009	01/04/89	09/25/89	FORBES PLUMBING	PBG - INSTALL PLUMBING SYSTE	
PP-89-6149	05/25/89	/ /	HAMMER FIRE PRO	FIRE SPRINKLERS	
PP-89-5482	04/07/89	/ /	DIABLO TANK & E	INSTALL 2 UNDERGROUND TANKS	
PP-89-5876	05/08/89	/ /	GRAND HARBOR	VAULT TOILETS FOR BOAT RINE	
PP-89-6284	06/27/89	10/30/89	GOLDEN GATE SHE	HVAC	
BP-89-0000	99/99/03	99/99/03	TO BE SELECTED	LANDSCAPE/GUARD HOUSE/SIGN	
PP-89-0000	99/99/03	99/99/03	TIERRA LINDA LA	LANDSCAPE/IRRIGATION	
PP-89-7117	11/03/89	11/03/89	GRAND MARI	HVAC - TOILET BUILDING	
PP-89-7106	11/02/89	/ /	BUSTOS PLUMBING	PBG - GRAND HARBOR RESTROOM	
BP-87-1682	09/30/87	/ /	CLAUSEN &	BERTRS	
BP-87-1552	09/02/87	/ /	TO BE CHOSEN	CONSTR 2 STORY OFFICE BLDG	

*** CITY of ALAMEDA ***
Property Inquiry File
02/23/92

Permit Address: 2099 GRAND ST

PERMIT/#	ISSUE DATE	FINAL DATE	CONTRACTOR	JOB	APT
PP-87-6434	09/02/87	10/16/90	ENC MARINA	PBG - ADD VENTS	
BP-87-1553	09/02/87	/ /	TO BE SELECTED	DEMO OF EXISTING MARINE PIER	
EX-87-0092	12/02/87	06/01/88	ENCINAL MARINA	SEWAGE LINE	
BP-88-0773	07/11/88	08/08/88	TO BE DETERMINE	INSTALL SIGN	
BP-88-1608	12/28/88	/ /	TO BE DETERMINE	ADDEN-REVISE GANGW/PIER/WOU	
PP-88-6878	05/11/88	/ /	TO BE DETERMINE	PBG - FIRELINES & HOSE BITS	
BP-88-0817	07/18/88	12/05/88	ZACCOR CORP	DEMO GARAGE	
BP-88-1443	11/23/88	/ /	TO BE DETERMINE	BUILD CONCRETE/STEEL PIER	
BP-88-1553	12/06/88	11/07/89	TO BE DETERMINE	NEW TOILET BUILDING AT MARIN	
BP-88-0110	02/03/89	/ /	TO BE DETERMINE	NEW 2 STORY BUILDING ON DOCK	
BP-89-0109	02/03/89	/ /	TO BE DETERMINE	ADDENUM TO 87-1682	
EX-88-0163	10/19/88	02/28/89	ENCINAL MARINA	STORM DRAINS	
EX-88-0175	10/31/88	/ /	EBMUD	SERVICE KILL	
EX-88-0155	10/04/88	02/28/89	ENCINAL MARINA	ELECTRICAL AND TELEPHONE SER	
EX-88-0161	10/12/88	02/28/89	ENCINAL MARINA	INSTALL SEWER SERVICE	
EX-88-0196	11/15/88	02/28/89	ENCINAL MARINA	PLACE CURB & GUTTER	
EX-88-0185	11/07/88	/ /	PGSE	INSTALL GAS SERVICE	
EX-88-0197	11/15/88	02/28/89	ENCINAL MARINA	REPLACE CURB & GUTTER	
PP-89-5009	01/04/89	09/25/89	FORBES PLUMBING	PBG - INSTALL PLUMBING SYSTE	
PP-89-6149	05/25/89	/ /	HAMMER FIRE PRO	FIRE SPRINKLERS	

THIS IS A TRUE AND CORRECT COPY
THE ORIGINAL RECORDS ON FILE WI
THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 9/27/04 BY:

CITY OF ALAMEDA - ADDRESS ACTIVITY REPORT

Activity at: 2099 GRAND ST

Permit	Type	Status	Applicant	Work Description	Issued Date	Finaled Date
B02-1237	Building Permit	EXPIRED	BEL AIRE ENGINEERING	#8B - INSTALL AWNING W/SIGNAGE (STAR MARINE)	11/08/2002	
B02-1238	Building Permit	EXPIRED	BEL AIRE ENGINEERING	# 9C - INSTALL AWNING W/SIGNAGE (NEW ERA YACHTS)	11/08/2002	
B90-0291	Building Permit	FINAL	BARBER SIGN CO., INC.	ADD NEW SIGN ON GAS DOCK	03/02/1990	05/11/1990
B91-0383	Building Permit	FINAL	ENCINAL MARINA	BUILD FENCES/LANDSCAPE FOR GRAND MARINA	04/09/1991	06/18/1998
B92-0056	Building Permit	FINAL	ZACCOR CORP.	DEMO ABOVE GROUND TANK FARM (2051 GRAND)	01/17/1992	08/05/1998
B92-1322	Building Permit	EXPIRED	GRAND MARINA	INSTALL CONCRETE SIGN		
B92-1447	Building Permit	FINAL	REGINA ROBERTS	INSTALL 3 SIGNS	03/23/1993	03/24/1993
B95-1634	Building Permit	FINAL	CENTRAL BAY ROOFING	RE-ROOF COMMERCIAL (UNIT #D)	01/02/1996	05/22/1998
BP871552	Building Permit	FINAL	ENCINAL	CONSTR 2 STORY OFFICE BLDG	05/28/1987	07/17/1998
BP871553	Building Permit	FINAL	ENC MARINA	DEMO OF EXISTING MARINE PIERS	09/02/1987	06/10/1998
BP871682	Building Permit	FINAL	ENC MARINA	BERTHS	08/10/1987	08/10/1998
BP880775	Building Permit	FINAL	ENC MARINA	INSTALL SIGN	01/07/1988	08/08/1988
BP880817	Building Permit	FINAL	ENC MARINA	DEMO GARAGE	07/05/1988	12/05/1988
BP881443	Building Permit	FINAL	ENC MARINA	BUILD CONCRETE/STEEL PIER	11/23/1988	06/10/1998
BP881553	Building Permit	FINAL	ENC MARINA	NEW TOILET BUILDING AT MARINA	09/29/1988	11/07/1989
BP881608	Building Permit	FINAL	ENCINAL MA	ADDEN-REVISE GANGWY/PIER/HOUSE	12/23/1988	06/10/1998
BP890109	Building Permit	FINAL	ENCINAL MR	ADDENUM TO 87-1682	02/01/1989	06/10/1998
BX880110	Building Permit	FINAL	ENCINAL MARINA	NEW 2 STORY BUILDING ON DOCK	02/03/1989	06/10/1998
CB02-0027	Combination Building Permit	EXPIRED	CURT BOLTON	(CODE ENF) T/I BAY ISLAND YACHTS-MODULAR OFFICE TRAILER (1,077 SQFT)	10/09/2002	

CITY OF ALAMEDA - ADDRESS ACTIVITY REPORT

Activity at: 2099 GRAND ST

Permit	Type	Status	Applicant	Work Description	Issued Date	Finaled Date
CB02-0029	Combination Building Permit	EXPIRED	CURT BOLIN	T/I-STAR MARINE INSTALL TEMPORARY MODULAR OFFICE TRAILER (960 SQ. FT.)	10/07/2002	
CB02-0030	Combination Building Permit	EXPIRED	CURT BOLIN	T/I - NEW ERA YACHT SALES (INSTALL TEMPORARY MODULAR OFFICE TRAILER 960 SQ. FT.)	10/07/2002	
CB04-0015	Combination Building Permit	ISSUED	ELAINE LUTZ	COMPLETE CB02-0027 - (CODE ENF) T/I BAY ISLAND YACHTS-MODULAR OFFICE TRAILER (1,077 SQFT)	01/20/2004	
CB04-0016	Combination Building Permit	ISSUED	ELAINE LUTZ	COMPLETE CB02-0029 (T/I-STAR MARINE INSTALL TEMPORARY MODULAR OFFICE TRAILER (960 SQ. FT.))	01/20/2004	
CB04-0017	Combination Building Permit	ISSUED	ELAINE LUTZ	COMPLETE CB02-0030 - T/I - NEW ERA YACHT SALES (INSTALL TEMPORARY MODULAR OFFICE TRAILER 960 SQ. FT.)	01/20/2004	
DR02-0004	Major Design Review	APPROVED	CURT BOLTON	(CODE ENF) BAY ISLAND YACHTS: MODULAR OFFICE TRAILER (1,077 SQ. FT.)		
DR02-0005	Major Design Review	APPLIED	CURT BOLIN	T/I-STAR MARINE INSTALL TEMPORARY MODULAR OFFICE TRAILER (960 SQ. FT.)		
DR02-0006	Major Design Review	APPLIED	CURT BOLIN	T/I-NEW ERA YACHT SALES (INSTALL TEMPORARY MODULAR OFFICE TRAILER 960 SQ. FT.)		
E97-3297	Electrical Permit	FINAL	A & J ELECTRIC	HOOKUP FUEL SENSORS	04/22/1997	04/28/1997
EX870092	Building Permit	FINAL	CTY OF ALA	SEWAGE LINE	12/02/1987	06/01/1988
EX880155	Building Permit	FINAL	CTY OF ALA	ELECTRICAL AND TELEPHONE SERV	10/04/1988	02/28/1989
EX880161	Building Permit	FINAL	CTY OF ALA	INSTALL SEWER SERVICE	10/12/1988	02/28/1989
EX880163	Building Permit	FINAL	CTY OF ALA	STORM DRAINS	10/19/1988	02/28/1989
EX880175	Building Permit	FINAL	CTY OF ALA	SERVICE KILL	10/26/1988	06/10/1998
EX880185	Building Permit	FINAL	CTY OF ALA	INSTALL GAS SERVICE	11/01/1988	06/10/1998

CITY OF ALAMEDA - ADDRESS ACTIVITY REPORT

Activity at: 2099 GRAND ST

Permit	Type	Status	Applicant	Work Description	Issued Date	Finaled Date
EX880197	Building Permit	FINAL	CTY OF ALA	REPLACE CURB & GUTTER	11/15/1988	02/28/1989
EX880198	Building Permit	FINAL	CTY OF ALA	PLACE CURB & GUTTER	11/15/1988	02/28/1989
F04-0007	Fire Permit	FINALED	PARADISO MECHANICAL INC.	T/I-GRAND MARINA: INSTALL UNDERDISPENSER CONTAINMENT SUMP (AT DOCK FUEL PUMP)	02/18/2004	03/05/2004
F04-0027	Fire Permit	FINALED	ADT SECURITY	FIRE-T/I GRAND MARINA (INSTALL FIRE ALARM SYSTEM (4 DEVICES) TO MONITOR FIRE SPRINKLER SYSTEM)	05/28/2004	06/25/2004
MDR02-0271	Minor Design Review	APPROVED	BEL AIRE ENGINEERING	UNITS #9B & 9C - INSTALL 2 AWNINGS (STAR MARINE AND NEW ERA YACHTS)		
MDR02-0295	Minor Design Review	APPROVED	BEL AIRE ENGINEERING	SIGN PERMIT-T/I STAR MARINE-FOR EXISTING AWNING		
MDR02-0296	Minor Design Review	APPROVED	BEL AIRE ENGINEERING	SIGN PERMIT-T/I NEW ERA YACHT COMPANY FOR EXISTING AWNING		
MP03-0016	Miscellaneous Planning	FINALED	CITY OF ALAMEDA	EIR DEPOSIT		10/13/2003
MR03-0244	Miscellaneous Revenue	FINALED	ENCINAL MARINA LTD	ARCHIVE RETRIEVAL (PLANS FOR BP91-0385)		04/28/2003
P90-6347	Plumbing Permit	FINAL	GRAND MARINA	INSTALL 4" SEWER VCP	09/05/1990	06/10/1998
P90-6456	Plumbing Permit	FINAL	CONTRACTOR	BLDG D-WATER LINE TO TRAILER	09/27/1990	03/27/1991
P90-6745	Plumbing Permit	REVOKED	FORBES PLUMBING	REVOKED-DUPLICATED 90-6756		
P90-6756	Plumbing Permit	FINAL	FORBES PLBG	INSTALL WATER LINE/SUMP	11/20/1990	06/10/1998
P91-5370	Plumbing Permit	FINAL	GRAND MARINA	LANDSCAPE IRRIGATION 4 VALVES	04/10/1991	06/23/1998
P91-5383	Plumbing Permit	EXPIRED	FORBES PLUMBING	RUN GAS FOR WATER HEATER/FUTURE FURNACE	03/27/1991	
P91-5461	Plumbing Permit	FINAL	TIERRA LINDA	LANDSCAPE IRRIGATION	04/09/1991	06/23/1998
PP876834	Building Permit	FINAL	ENC MARINA	PBG - ADD VENTS	04/27/1987	10/16/1990

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 9/27/04 BY:

CITY OF ALAMEDA - ADDRESS ACTIVITY REPORT

Activity at: 2099 GRAND ST

Permit	Type	Status	Applicant	Work Description	Issued Date	Finaled Date
PP886878	Building Permit	FINAL	ENC MAR	PBG - FIRELINES & HOSE BITS	05/11/1988	01/22/1991
PP895009	Building Permit	FINAL	ENC MARINA	PBG - INSTALL PLUMBING SYSTEM	01/04/1989	09/25/1989
PP895682	Building Permit	FINAL	GARRISON	INSTALL 2 UNDERGROUND TANKS	04/05/1989	09/23/1991
PP895874	Building Permit	FINAL	GRAND HARB	VAULT TOILETS FOR BOAT SHOW	05/08/1989	09/18/1991
PP896149	Building Permit	FINAL	GRND HRBOR	FIRE SPRINKLERS	03/21/1989	09/17/1991
PP896284	Building Permit	FINAL	ENC MARINA	HVAC APT B	06/27/1989	10/30/1989
PP897106	Building Permit	FINAL	GRAND HRBR	PBG - GRAND HARBOR RESTROOMS	11/02/1989	09/23/1991
PP897117	Building Permit	FINAL	GRAND MARI	HVAC - TOILET BUILDING BLDG C	11/03/1989	11/03/1989
X01-0445	Complaint	FINALED	CITY OF ALAMEDA	WORK W/O PERMIT		10/09/2002

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 9/27/04 BY:

On April 20, 1989, two tanks were installed at 2099 Grand St:

1 - 2,000 gallon diesel
1 - 2000 gallon gasoline

This is to finish the dock at the food of Grand St..

Captain M. Helms
Fire Prevention Bureau

CITY OF ALAMEDA

Inter-Department Memorandum

To: PERMIT EXPEDITOR

From: DESIGN REVIEW/PLANNING

SUBJECT: Hold on Permit Application No. 11087

Job Address 2099 GRAND

This application has been put on hold for the following reason(s):

(1) PROVIDE CORRECTED SITE PLAN, SHOWING ALL AREAS COVERED BY VARIOUS PERMITS TO DATE WITH PARKING LAYOUT, WALKWAY LOCATION OF LIGHTING, DRAINAGE FACILITIES, AND OIL AND OIL-CONTAMINATED PRODUCTS DISPOSAL FACILITIES, AND INDICATE THE OUTLINE OF THE AREAS OF THE TOTAL PROJECT SITE WHICH WILL BE HANDLED AT A FUTURE DATE THROUGH SUBSEQUENT APPROVALS.

(2) PROVIDE CONSTRUCTION DETAILS AND SPECIFICATIONS OF LIGHTING FIXTURES, OIL DISPOSAL FACILITIES, ENTRYWAY FEATURES, TRASH ENCLOSURES ETC.

(OVER)

By: John Woosley

Department: Planning

Date: 11/17/89

5-16-84

CITY OF ALAMEDA - ADDRESS ACTIVITY REPORT

Activity at: 2051 GRAND ST

Permit	Type	Status	Applicant	Work Description	Issued Date	Finaled Date
B94-0874	Building Permit	FINAL	GRAND MARINA	SALES OFFICE-INSTALL 6 X 6 WINDOW	08/05/1994	09/14/1994
BP861342	Building Permit	FINAL	ANDERSON	REMODEL SHED TO OFFICE	04/10/1986	03/03/1988

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 9/27/04 BY:

PLEASE TYPE OR PRINT

LOG NO | COMM CODE | PERMIT NO 92-0056

OWNER
TRACT | BLOCK/PAGE | LOT/PARCEL
NAME GRAND MARINA
ADDRESS 2099 Grand St PHONE 510-865-1200
CITY Alameda STATE CA ZIP 94501

ARCHITECT/ENGR.
NAME | LICENSE
ADDRESS | PHONE
CITY | STATE | ZIP

CONTRACTOR
I hereby affirm that I am licensed under provisions of Chapter 9 commencing with section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.
LICENSE No AND CLASS 478799 AC21HAZ
CITY BUSINESS LICENSE No 1776
CONTRACTOR NAME Yaccor Corp.
ADDRESS 731 Hamilton Ave
CITY Menlo Park STATE/ZIP CA 94025 PHONE 363-2181
SIGNATURE

OWNER BUILDER DECLARATION
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 — commencing with Section 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):)
[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner builder will have the burden of proving that he did not build or improve for the purpose of sale.)
[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)
[ ] I am exempt under Sec. .....
B.&P.C. for this reason .....
Owner's Signature ..... Date .....

WORKERS' COMP. INSURANCE DECLARATION
I hereby affirm that I have a certificate of consent to self insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.)
Policy No. 0801858-91 Company State Fund
[ ] Certified copy is hereby furnished.
[X] Certified copy is filed with the City Central Permit Office
Applicant ..... Date 1-13-92
(This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.
Applicant ..... Date .....
NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

LENDER
I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)
Lender's Name .....
Lender's Address .....

APPLICANT
I certify that I have read this application and state that the information given is true and correct. I agree to comply with all city ordinances and state laws relating to building construction, and I make this statement under penalty of law. I hereby authorize representatives of the city/county to enter upon the above mentioned property for inspection purposes. NOTE: This permit will expire by limitation if work is not started within 180 days or if work is abandoned for more than 180 days. Do not conceal any construction until the work is inspected and the inspection is recorded on the building inspection card. All inspections required are to be made 24 hours in advance of the inspection, 748-4564, 8:30AM to 10AM.
[ ] Contractor
[ ] Owner
[X] Agent X ..... Signature of Contractor, Owner or Agent

JOB ADDRESS 2099 2051 Grand Street

APPLICATION FOR BUILDING PERMIT
CITY OF ALAMEDA
Central Permit Office
263 Santa Clara Avenue
Alameda, CA 94501
(415) 748-4564 452

FINAL

NEW CONST ..... ADDITION ..... ALTERATION ..... REPAIR .....
EXISTING USE N/A Commercial Bldg
PROPOSED USE N/A Commercial Bldg

DESCRIPTION OF WORK
Demolition of existing above ground tank farm.

CENTRAL PERMIT OFFICE CITY OF ALAMEDA

SQ. FT. ADDED ..... @ $1.10

VALUATION OF WORK $ 35,000.00
(including all labor, materials, and all plumbing, heating, ventilating, water supply, plumbing, fire sprinklers, and line driving, elevator equipment and all floor, or other are affixed or a permanent part of the building)

INSTALLATION OF SMOKE ALARM SYSTEM MANDATORY ON BUILDING PERMITS IN EXCESS OF $1,000

CONTACT NAME Curt Bolton
CONTACT PHONE 865-1200

OTHER PERMITS ARE REQUIRED FOR PLUMBING, HEATING, ELECTRICAL WORK, AND CONSTRUCTION WITHIN THE PUBLIC RIGHT OF WAY

BLDG PERMIT $ 312 — ADMIN FEE $ 5 —
PLAN CHECK $ ..... FILING FEE $ 10 —
SMIP $ 735 SEWER CONN $ .....
DESIGN REV $ ..... MICRO-FICHE FEE $ 6 —
IMPROVEMENT TAX $ 350 — SCHOOL FEE $ .....

APPLICATION RECEIVED
DATE 1/13 SIGNED
APPROVAL
DATE 1/17 SIGNED
ISSUED
DATE 1/17 SIGNED

White: Office Copy Blue: County Of Alameda Yellow: Applicant's Copy

Uriah Inc.
An Environmental Services Company

90 OCT 22 AM 10:28

SOIL VAPOR CONTAMINATION SURVEY FOR:

ENCINAL MARINA
2051 GRAND STREET, ALAMEDA, CA

MARCH 8, 1989

464 Lindbergh Avenue • Livermore, California 94550 • (415) 455-4991

Uriah Inc.
An Environmental Services Company

March 12, 1989

Mr. Curt Bolton
Project Superintendent
Encinal Marina, Inc.
2051 Grand Street
Alameda, CA 94501

Dear Mr. Bolton:

On March 7 and 8, 1989, Uriah staff undertook a soil vapor contamination survey at the above referenced facility for the primary purpose of determining whether diesel fuel contamination of shallow soil believed to exist in the area as a result of an off-site event had impacted a location proposed for the installation of underground fuel storage tanks at the Encinal Marina.

METHODOLOGY

A hollow, perforated, stainless steel probe equipped with a stainless steel drive point was inserted into the sandy soils of the marina at sampling points referenced on the attached diagram. A vacuum was drawn on each probe and a sample of soil vapor aspirated into a Gastech Model 1238 Survey Instrument. This instrument utilizes a catalytic combustion detector to measure the fraction of combustible hydrocarbons within the soil vapor tested and so may be used to establish contaminant contours across an area surveyed.

Probes were first inserted to depths 1 to 3 feet below grade (just above groundwater), and the soil vapor measured. The probes were then driven to depths of approximately 3.5 feet and the soil vapors again measured. Soil vapor sampling was conducted in the manner described at fifteen (15) points across the western portion of the facility.

DISCUSSION

Soil vapor studies are effected by several factors, including the percent moisture of the soil being tested. If the spaces between soil particles are filled with water, then vapor readings will appear low. When Uriah began the Encinal soil vapor contamination study on the morning of March 7, 1989, the

464 Lindbergh Avenue • Livermore, California 94550 • (415) 455-4991

groundwater elevation was approximately nine inches below grade. Although it was hypothesized that the shallow groundwater condition was the result of an extremely high tide, it was determined upon returning to the site during a period of known low tide the following morning (March 8, 1989) that the high water table was the result of the heavy rains which had fallen during the previous several days. Mindful of the high moisture content of the soil, soil vapor readings were first obtained in the area adjacent of the diesel storage tanks located on adjacent property- an area of known subsurface contamination by diesel fuel. As positive readings were obtained in this area, it was deemed appropriate to continue with the survey as significant contamination was apparently detectable under the conditions present. It was further determined that the use of the Gastech Model 1238 would provide data of sufficient quality to meet the needs of the survey; therefore, no utilization was made of the Photovac 10S Portable Gas Chromatograph referenced within Urish's original proposal for work.

CONCLUSIONS

There is no indication of significant subsurface diesel contamination in the area proposed for the installation of new underground fuel storage tanks (sampling points 9-15). There does, however, appear to be a diesel plume moving West-Northwest from the diesel storage tank area located upon the adjacent property previously referenced. This plume does appear relatively confined, however, and most likely has not spread extensively.

If you have any questions regarding the above, or if we may otherwise be of assistance, please contact either of the undersigned at (415) 455-4991.

Sincerely,

Walter Floyd

Walter Floyd
Project Geologist
and

John E. Rapp
Senior Consultant

WF/JER:dr
enc.

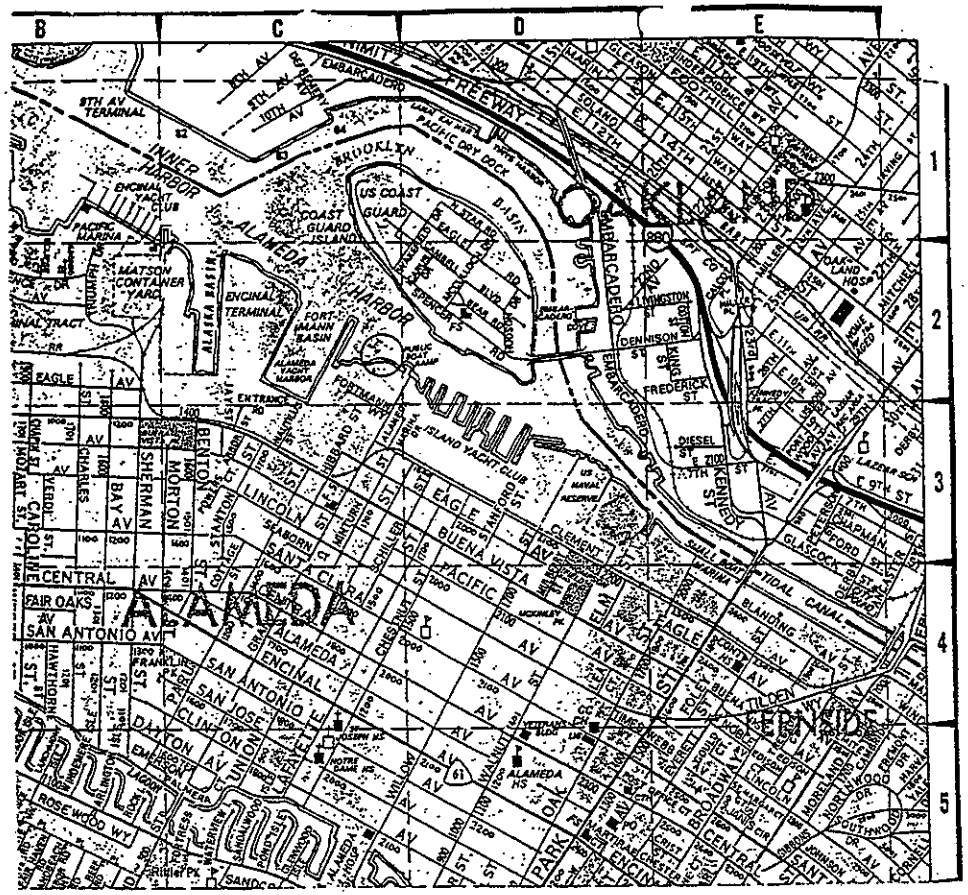
REGISTERED ENVIRONMENTAL HEALTH SPECIALIST
JOHN E. RAPP
No. 4795
Exp 8-31-89
STATE OF CALIFORNIA

SOIL VAPOR GAS SURVEY DATA FOR: Encinal Marina
2051 Grand Street
Alameda, CA

DATE: March 8, 1989

Vapor Point	GasTech Readings (ppm)
1	350
2	150
3	45
4	150
5	400
6	ND
7	ND
8	ND
9	ND
10	ND
11	ND
12	ND
13	ND
14	ND
15	ND

ND= Not Detected- a concentration less than 1 ppm.



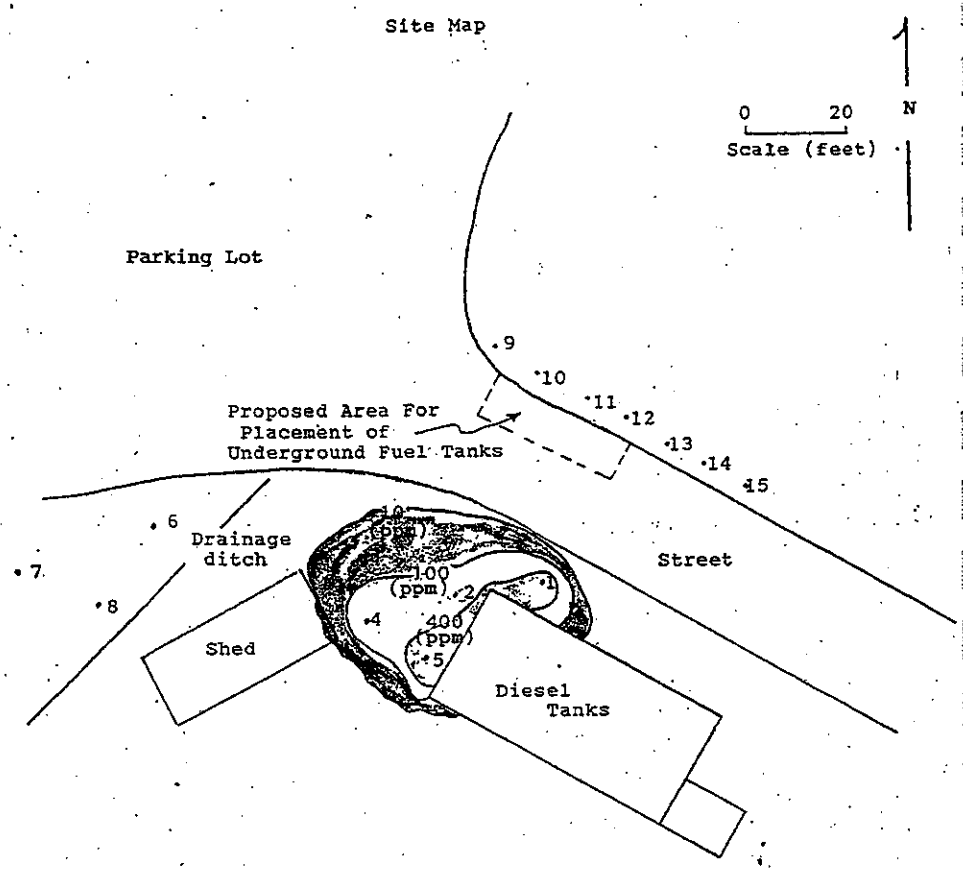
URIAH ENVIRONMENTAL SERVICES, INC.
464 LINDBERGH AVENUE, LIVERMORE, CA

SITE LOCATION:

ENCINAL MARINA
2051 GRAND STREET, ALAMEDA, CA

URIAH ENVIRONMENTAL SERVICES, INC.
ENCINAL MARINA
2051 GRAND STREET, ALAMEDA, CA

Site Map



Prepared For:
Encinal Marina, Inc.
2051 Grand Street
Alameda, CA

figure 1.

CLEARWATER
ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 · UNION CITY, CA 94587-2407
(800) 499-3676 · FAX (510) 476-1786
CAR 000 007 013 · WE ACCEPT VISA & MASTERCARD

on P+T 50 %

Bill of Lading
Invoice # 31095

Date 10-6-2000

BILLING INFORMATION **JOB SITE**

NAME Grand Harbor Fuel Docks	NAME [illegible]
ADDRESS 2099 Grand Street	ADDRESS
CITY Alameda STATE Ca ZIP 94501	CITY STATE ZIP
PHONE NO. (510) 521-4297	PHONE NO. ( )

PO # CASH CHECK
CUSTOMER EPA ID #
PROFILE #
CUSTOMER ID NO:

PRODUCT PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid	221					
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid	134					
Oily Water Non RCRA Hazardous Waste Liquid						
Non RCRA Hazardous Waste Solid Oil Contaminated Debris / Soil						
Combustible Liquid nos 3 UN1993, PG III	223	B/L 31095	2600	G	.95	2470.00
Non Hazardous Waste Liquid						
Non Hazardous Waste Solid						
Transportation Charges						
Washout Charges						
Drained Used Oil Filters						
Empty Drums						
Additional Labor						
Pressure Washer						
Other:						

DATE INVOICED 5-25-00
CK # CK TODAY
CHECK # 1230 CK DATE 10/17/00

DISPOSAL/RECYCLING FACILITY: Collection Station | Industrial | Agriculture | Government | Marine

TOTAL $2470.00

NET 10 DAYS

Above Independent Oil, 3002 Archer Street, Alamo, CA, CAL 000 191 743; 94062, (510) 797-8511

McKittrick Waste Treatment Site, 35533 Hwy 58 West, McKittrick, CA, CAD 980 035 831; 93251, (805) 762-7366

DK Environmental, 3060 E. 26th Street, Vernon, CA, CAT 080 033 681; 90023, (323) 268 3068

Clean Environmental Services, 1126 Hensley Street, Richmond, CA, CAT 080 822 148; 94807, (510) 233-9001

Seaport Environmental, 675 Seaport Blvd, Redwood City, CA, CAD 008 032 068; 94063, (415) 364-8134

Commercial Filter Recycling, 33210 Western Ave, Union City, CA, (510) 487-8277; 94587

Delaware Kenton, 2000 N. Alameda Blvd, Compton, CA, CAT 080 013 352; 90221, (310) 571-3700

Evergreen Oil, 6880 Smith Ave, Newark, CA, CAT 080 007 418; 94560, (510) 795-6400

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the waste has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER SIGNATURE Joseph Ruby

GENERATOR SIGNATURE Ruth C. Scott

Sep 05 06 11:46a Grand Marina (510)865-1240 p.2

PLEASE TYPE OR P VT

LOG NO. H0387 COMM COC .8 PERMIT NO.

JOB ADDRESS 2051 Grand Street

APPLICATION FOR PLUMBING/MECHANICAL PERMIT
CITY OF ALAMEDA
Central Permit Office
2263 Santa Clara Avenue
Alameda, CA 94501
(415) 522-4100 X236

DESCRIPTION OF WORK removal of underground tanks

VALUATION OF WORK $

CONTACT NAME

CONTACT PHONE

OWNER
TRACT Encinal Marina BLOCK PAGE LOT PARCEL
NAME 2051 Grand Street 865-1200 PHONE
ADDRESS Alameda, CA 94501
CITY STATE ZIP

ARCHITECT/ENGR.
NAME LICENSE
ADDRESS PHONE
CITY STATE ZIP

CONTRACTOR
I hereby affirm that I am licensed under provisions of Chapter 9 commencing with section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.
LICENSE No. AND CLASS A 478799 CITY BUSINESS LICENSE No. 1776
CONTRACTOR Zaccor Companies, Inc
NAME 791 Hamilton Ave
ADDRESS Menlo Park, CA 94025 363-2181
CITY STATE ZIP PHONE
SIGNATURE

OWNER-BUILDER DECLARATION
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 — commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):
☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).
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☐ I am exempt under Sec. ____ B&P.C. for this reason
Owner's Signature Date

WORKERS' COMP. INSURANCE DECLARATION
I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C). Policy No. 0801858 Company State Fund
☐ Certified copy is hereby furnished.
☒ Certified copy is filed with the city Central Permit Office
Applicant Gary Zaccor Date 4/15/88
(This section need not be completed if the permit is for one hundred dollars ($100) or less).
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.
Applicant Date
NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

LENDER
I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).
Lender's Name
Lender's Address

APPLICANT
I certify that I have read this application and state that the information given is true and correct. I agree to comply with all local ordinance and state laws relating to building construction and I make this statement under penalty of law. I hereby authorize representatives of the city/county to enter upon the above mentioned property for inspection purposes. NOTICE! This permit will expire by limitation if work is not started in 180 days or if work is abandoned for more than 180 days. Do not conceal or cover any construction until the work is inspected and the inspection is recorded on the Building Inspection Card. All inspection requests are required 24 hours in advance of the inspection. 522-4100 X236, 8:30AM to 10AM.
☒ Contractor
☐ Owner
☐ Agent X
Signature of Contractor, Owner or Agent

ITEMS	NO.	FEE	TOTAL
PLUMBING			
Basins		$ 6.00	
Baths		6.00	
Catch Basin		6.00	
Closets		6.00	
Dishwasher		6.00	
Drinking Fountain		6.00	
Fire Sprinklers		30.00	
Floor Drain		6.00	
Floor Sinks		6.00	
Garbage Disposal		6.00	
Gas Lines/Meters		6.00	
Gas Outlets		2.00	
Gas Range		6.00	
Gas Test		4.00	
Hot Tub/Spa		60.00	
Lawn Sprinklers		10.00	
Leaders Rain Water		6.00	
Sewer Abandonment		14.00	
Sewer Expansion/Replacement		20.00	
Sewer Repair		10.00	
Showers		6.00	
Sinks		6.00	
Solar System		38.00	
Sumps		30.00	
1 Storage Tanks		20.00	30.00
Toilet		6.00	
Vault Toilet		20.00	
Washing Machine/Dryer		6.00	
Water Heater Res/Comm		6.00/10.00	
Water Lines/Meters		6.00	
MECHANICAL			
Air Conditioning Equip.		10.00/20.00	
Boiler		20.00	
Control Change		6.00	
Convectors		4.00	
Dryer Res/Comm.		6.00/10.00	
Fans and Blowers		10.00	
Fireplace		4.00	
Flues		4.00	
Furnace		10.00	
Heaters		10.00	
Hoods Res./Comm		4.00/30.00	
Panels and Coils		4.00	
Registers		2.00	
Vents Bath/Kitchen		4.00	
ISSUANCE FEE	1	6.00	6.00

Sub-Total Fees $ 30.00
AB 941 Fee 5.00
Total Fees $ 31.00

APPLICATION RECEIVED
DATE SIGNED
APPROVAL
DATE 5-25-88 SIGNED Donald H. Rodriguez
ISSUED
DATE SIGNED

ASSESSOR'S TYPE OR PRINT

BLOCK PAGE: Marina | LOT PARCEL: 865-1200

and Street | PHONE

la, CA | STATE: 94501 | ZIP

LICENSE

ESS | PHONE

STATE | ZIP

JOB NO. 1035 | ASSESSOR'S CODE 088 | PERMIT NO.

JOB ADDRESS 2051 Grand Street

APPLICATION FOR PLUMBING/MECHANICAL PERMIT
CITY OF ALAMEDA
Central Permit Office
2263 Santa Clara Avenue
Alameda, CA 94501
(415) 522-4100 X238

DESCRIPTION OF WORK: removal of underground tanks

VALUATION OF WORK $:

CONTACT NAME:

CONTACT PHONE:

CONTRACTOR

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE No. AND CLASS: A 478799 | CITY BUSINESS LICENSE No.: 1776

CONTRACTOR NAME: Zaccor Companies, Inc

ADDRESS: 791 Hamilton Ave

CITY: Menlo Park | STATE/ZIP: CA 94025 | PHONE: 363-2181

SIGNATURE

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☐ I am exempt under Sec. _____

B.&P.C. for this reason _____

Owner's Signature _____ Date _____

WORKERS' COMP. INSURANCE DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.).

Policy No. 0801858 | Company: State Fund

☐ Certified copy is hereby furnished.

☒ Certified copy is filed with the city Central Permit Office

Applicant: Gary Zaccor | Date: 4/15/88

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Applicant _____ Date _____

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LENDER

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Lender's Name _____

Lender's Address _____

APPLICANT

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☒ Contractor

☐ Owner

☐ Agent X _____

Signature of Contractor, Owner or Agent

ITEMS	NO.	FEE	TOTAL
PLUMBING			
Basins		$ 6.00	
Baths		6.00	
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Closets		6.00	
Dishwasher		6.00	
Drinking Fountain		6.00	
Fire Sprinklers		30.00	
Floor Drain		6.00	
Floor Sinks		6.00	
Garbage Disposal		6.00	
Gas Lines/Meters		6.00	
Gas Outlets		2.00	
Gas Range		6.00	
Gas Test		4.00	
Hot Tub/Spa		60.00	
Lawn Sprinklers		10.00	
Leaders Rain Water		6.00	
Sewer Abandonment		14.00	
Sewer Extension/Replacement		28.00	
Sewer Repair		10.00	
Showers		6.00	
Sinks		6.00	
Solar System		38.00	
Sumps		30.00	
Storage Tanks		20.00	20
Toilet		6.00	
Vault Toilet		20.00	
Washing Machine/Dryer		6.00	
Water Heater Res/Comm		6.00/10.00	
Water Lines/Meters		6.00	
MECHANICAL			
Air Conditioning Equip.		10.00/20.00	
Boiler		20.00	
Control Change		6.00	
Convectors		4.00	
Dryer Res/Comm.		6.00/10.00	
Fans and Blowers		10.00	
Fireplace		4.00	
Flues		4.00	
Furnace		10.00	
Heaters		10.00	
Hoods Res./Comm		4.00/30.00	
Panels and Coils		4.00	
Registers		2.00	
Vents Bath/Kitchen		4.00	
ISSUANCE FEE	1	6.00	6.00

Sub-Total Fees ..... $ 26

AB 945 Fee 5.00

Total Fees ..... $ 31.00

APPLICATION RECEIVED
DATE SIGNED

APPROVAL
Approved Donald J. Rodriguez

ISSUED
DATE SIGNED

White: Office Copy Yellow: Applicant's Copy

Ck in Drawer

*** C I T Y of A L A M E D A ***
Property Inquiry File
02/23/92

Permit Address: 2051 GRAND ST

PERMIT/#	ISSUE DATE	FINAL DATE	CONTRACTOR	JOB	APT
BP-87-0000	99/99/01	99/99/01	TO BE CHOSEN	ADD TOILET FACILITIES	
BP-87-0000	99/99/05	99/99/05	ENC MARINA	DREDGING	
PP-88-0000	99/99/04	99/99/04	ZACCOR COMPANIE	P&G - REMOVE UNDERGRD TANKS	
BP-84-1342	11/17/86	03/03/88	P MICHAEL CONST	REMODEL SHED TO OFFICE	
PP-86-6441	11/17/86	07/19/90	P MICHAEL CONST	P&G - INSTALL VAULT TOLIT	
BP-82-0166	04/02/82	05/25/82	JIM DUBBY	NEW TOILET & DOCK	
PP-82-5420	01/04/82	/ /	CENTRAL PLUMBIN		

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 2/27/92 BY:

CITY OF ALAMEDA - ADDRESS ACTIVITY REPORT

Activity at: 2047 GRAND ST

Permit	Type	Status	Applicant	Work Description	Issued Date	Finaled Date
X03-0403	Complaint	RECEIVED		INDIVIDUAL LIVING IN SHOP PLAN TO BUILD BEDROOM TYPE UNIT IN THE FACILITY, ALSO UNIT NEXT DOOR UNSAFE AND IN VIOLATION OF AMC. THERE IS EXPOSED ELECTRICAL WIRING. REC'D 10/27/03		

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 9/27/04 BY:

ADDRESS 2047 Grand

PERMIT NO.	DATE	REMARKS
24254	7/9/04	2 sew, 5 outlets, 1000, Transformers motors

FORM 148 3M 8-86

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 9/27/04 BY:

RE: 2047 Grand St. Ala.

GRAND MARINA
ANDERSON-NOVAL

FACSIMILE COVER PAGE

Date: 9/5/02 Time: 11:45

Facsimile Transmitted To: Alameda County Environmental Health Services

Attention: Larry Seto / Susan Hugo

Transmitted to FAX number: 337-9335

From: Curt Bolton

Content: Tank Removal Info

Number of pages (including this cover page): 6

For voice contact or transmission problems: (510) 865-1200

Comments:

9/5/02

Larry:
He called me today & faxed these documents regarding the NOV letter you sent to him.

Susan

2099 Grand Street
Alameda, California
94501

Telephone:
(510) 865-1200
Facsimile:
(510) 865-1240

CLEARWATER
ENVIRONMENTAL MANAGEMENT, INC.
P.O. Box 2407 UNION CITY, CA 94587-2407
(800) 499-3676 FAX (510) 476-1786
CAR 000 007 013 WE ACCEPT VISA & MASTERCARD

on P+Y 50%

Bill of Lading
Invoice # 31094
Date 10-6-2000

BILLING INFORMATION

NAME: Grand Harbor Fuel Dock
ADDRESS: 2099 Grand Street
CITY: Alameda STATE: Ca. ZIP: 94501
PHONE NO.: (510) 521-4297

JOB SITE

NAME: [SAME]
ADDRESS:
CITY: STATE: ZIP:
PHONE NO.: ( )

PO # CASH CHECK
CUSTOMER EPA ID #
PROFILE #
CUSTOMER ID NO:

PRODUCT / PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid	221					
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid	134					
Oily Water Non RCRA Hazardous Waste Liquid						
Non RCRA Hazardous Waste Solid Oil Contaminated Debris / Soil						
Waste Combustible Liquid nos 3 UN1993, PG III						
Non Hazardous Waste Liquid		NH#41588	5000	G	.75	3750.00
Non Hazardous Waste Solid						
Transportation Charges			6	HRS	72.50	435.00
Washout Charges						
Drained Used Oil Filters		DATE RECEIVED:				
Empty Drums		$125-02				
Additional Labor		OIL #				
Pressure Washer		CHECK # 1025				
Other:						

DISPOSAL/RECYCLING FACILITY: Collection Station | Industrial | Agriculture | Government | Marine

TOTAL $4185.00

NET 10 DAYS

Antex Independent Oil, 5002 Archer Street, Alviso, CA, CAL 000 161 743, 95002, (510) 797-8511
Clearwater Environmental Management, Inc., P.O. Box 2407, Union City, CA 94587-2407, (800) 499-3676, (510) 476-1786
McKittrick Waste Treatment Site, 58533 Hwy 58 West, McKittrick, CA, CAD 980 636 831, 93251, (805) 763-7388
OK Environmental, 3888 E. 26th Street, Vernon, CA, CAT 080 033 881, 90023, (323) 268-6066
Onyx Environmental Services, 1125 Hensley Street, Richmond, CA, CAT 080 022 148, 94801, (510) 233-8001
Seaport Environmental, 675 Seaport Blvd, Redwood City, CA, CAD 000 032 068, 94063, (415) 364-9161
Commercial Filter Recycling, 33210 Western Ave, Union City, CA, (510) 487-9277, 94587
Quaterra Kenlon, 2008 N. Alameda Blvd, Compton, CA, CAT 080 013 352, 90221, (310) 971-3100
Evergreen Oil, 6880 Smith Ave, Newark, CA, CAD 980 887 416, 94560, (510) 796-4400

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the waste has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER SIGNATURE: Joseph Riley
GENERATOR SIGNATURE: Rick C. Scott

Sep 05 02 11:46a Grand Marina (510)865-1240 p.3

CLEARWATER
ENVIRONMENTAL MANAGEMENT, INC.
P.O. Box 2407 UNION CITY, CA 94587-2407
(800) 499-3676 (510) 476-1786
CAR 000 007 013 WE ACCEPT VISA & MASTERCARD

Bill of Lading
Invoice # 30431
Date 10-19-00

BILLING INFORMATION

NAME:
ADDRESS:
CITY: STATE: ZIP:
PHONE NO.: ( )

JOB SITE

NAME: GRAND HARBOR Fuel Dock
ADDRESS: 2099 GRAND ST
CITY: Alameda STATE: CA ZIP: 94501
PHONE NO.: (510) 521 4297

PO # CASH CHECK
CUSTOMER EPA ID # CAL000182326
PROFILE #
CUSTOMER ID NO:

PRODUCT / PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid	221					
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid	134					
Oily Water Non RCRA Hazardous Waste Liquid	125	9964600	200	G	.75	150.00
Non RCRA Hazardous Waste Solid Oil Contaminated Debris / Soil						
Waste Combustible Liquid nos 3 UN1993, PG III						
Non Hazardous Waste Liquid						
Non Hazardous Waste Solid						
Transportation Charges				HR	72.50	290.00
Washout Charges						
Drained Used Oil Filters						
Empty Drums						
Additional Labor						
Pressure Washer						
Other: DRY ICE			1	LOT	150.00	150.00

DISPOSAL/RECYCLING FACILITY: Collection Station | Industrial | Agriculture | Government | Marine

TOTAL $590.00

NET 10 DAYS

Antex Independent Oil, 5002 Archer Street, Alviso, CA, CAL 000 161 743, 95002, (510) 797-8511
Clearwater Environmental Management, Inc., P.O. Box 2407, Union City, CA 94587-2407, (800) 499-3676, (510) 476-1786
McKittrick Waste Treatment Site, 58533 Hwy 58 West, McKittrick, CA, CAD 980 636 831, 93251, (805) 763-7388
OK Environmental, 3888 E. 26th Street, Vernon, CA, CAT 080 033 881, 90023, (323) 268-6066
Onyx Environmental Services, 1125 Hensley Street, Richmond, CA, CAT 080 022 148, 94801, (510) 233-8001
Seaport Environmental, 675 Seaport Blvd, Redwood City, CA, CAD 000 032 068, 94063, (415) 364-9161
Commercial Filter Recycling, 33210 Western Ave, Union City, CA, (510) 487-9277, 94587
Quaterra Kenlon, 2008 N. Alameda Blvd, Compton, CA, CAT 080 013 352, 90221, (310) 971-3100
Evergreen Oil, 6880 Smith Ave, Newark, CA, CAD 980 887 416, 94560, (510) 796-4400

GM = 295.00
$125-02 OIL # CB
CHECK # 1264 $150.00
Fuel Dock

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the waste has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER SIGNATURE: Paul
GENERATOR SIGNATURE:

Grand Marina 11:47a p.4

AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICE
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Certification Number 7000 1670 0009 3787 4544

August 28, 2002

Mr. Kirk Bolton, Harbor Master
Grand Marina
2099 Grand Street
Alameda, CA 94501

NOTICE OF VIOLATION

RE: 2047 Grand Street, Alameda, CA 94501

Dear Mr. Bolton:

In my letter to you dated July 30, 2002 I requested a copy of the manifest/receipt for the disposal of the former 10,000 gallon above ground tank. This office must receive this letter before I can close out the file at the above address. Please send me this information within five days of the receipt of this letter.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

Cc: Rob Weston, Alameda County Environmental Health
Susan Hugo, Manager, Alameda County Environmental Health
Files

Enc. (1) Letter dated July 30, 2002

ALAMEDA CO
HEALTH CARE
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 30, 2002

Mr. Kirk Bolton, Harbor Master
2099 Grand Street
Alameda, CA 94501

RE: 2047 Grand Street, Alameda, CA

Dear Mr. Bolton:

I would like to close the hazardous waste file for the above address. Please send me a copy of the manifest/receipt for the disposal of the former 10,000 gallon above ground tank that was formerly stored on-site. This manifest/receipt should identify when the tank was removed, name of transporter, and final destination of the tank.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

Cc: Rob Weston, Alameda County Environmental Health
Files

GRAND MARINA
GENTRY-ANDERSON

August 31, 1999

2099 Grand Street
Alameda, California
94501

Mr. Robert Weston
Sr. Hazardous Materials Specialist
Alameda County Health Services
Environmental Health Services
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577

RE: 2047 Grand St, Ala

Dear Mr. Weston,

We are currently reviewing all options with regards to the above ground bilge water storage tank. Please forward to us all information your office requires to upgrade the hardware/tank and monitoring systems to bring the tank into compliance.

Very truly yours,

Curt Bolton
Harbor Master
Grand Marina

Telephone:
(510) 865-1200
Facsimile:
(510) 865-1240

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

Certified Mailer Z 115 363 846

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700

August 10, 1999

Mr. Curt Bolton
Harbor Master
Grand Marina
2099 Grand Street
Alameda, California 94501

Subject: Closure requirements for one 10,000-gallon hazardous waste tank containing bilge water

Dear Mr. Bolton:

This letter is to notify you of the requirement to permanently close and remove the tank located at ~~2099~~ 2047 Grand Street, Alameda. During an inspection of the Grand Harbor Fuel Dock, this office became aware of the use of this above ground tank for the accumulation of bilge water. This office had no prior record of the use of this tank for the storage of bilge water.

Title 22 section 66261.126 Appendix X classifies bilge water as a presumed hazardous waste. Laboratory tests performed by you confirmed that the bilge water is a hazardous waste with the characteristic of ignitability. The result of the flash point test was 70 degrees Fahrenheit. A waste with a flash point less than 140 degrees Fahrenheit is classified as a hazardous waste.

We discussed your two options for management of the hazardous waste tank. You may:

1. Upgrade the hardware and monitoring system to bring the tank into compliance or/
2. Remove the tank with oversight from this office.

In our telephone conversations regarding the two options you stated your intent to close the tank. Enclosed are the forms for closure. It is not sufficient to simply discontinue accepting bilge water. Regulations require the proper closure of the entire system. This office will oversee the closure with the assistance of the City of Alameda Fire Department.

[illegible] complete the application and return it with a check for [illegible] deposit/refund account which will be debited to

offset this Department's oversight costs. Include with the permit application a written description of the work schedule anticipated for the removal of the bilge tank. The tank shall be scheduled for removal within the next 60 days.

If you have questions related to this matter please contact me a (510) 567-6781.

Sincerely,

Robert Weston
Senior Hazardous Materials Specialist

enclosure

c: Tom Peacock, ACDEP-files
Bob Chambers, Alameda County District Attorney's Office
Lt. J. Michael Edwards, Assistant Fire Marshall, City of Alameda Fire Department
Mickey Pierce, Department of Toxic Substances Control, Berkeley

grdmarin.ltr

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 Harbor Bay Pkwy, Rm. 250, Alameda, CA 94502-6577 (510) 567-6700 Fax (510) 337-9335
FACILITY SURVEY ☑ cm 9/6/94

GENERAL INFORMATION — STID # 6694 County Use Only

1. Facility Name: Grand Marina
2. Site Address: 2047 Grand St
City: Alameda Ca Zip: 94501
3. Billing Address (if different): 2099 Grand St
City: Alameda Zip: 94501
4. Contact Person: Curt Bolton Phone: 865-1200
5. Business Owner Name: Ensign/Marina LTD Phone: 865-1200
6. Date you started business: July 1 1987
7. Type of Business: Recreational / Marina 8. SIC #:
9. Number of Employees Handling Haz. Waste: 4 9a. Total Number of Employees 5
10. EPA ID # CAD 982024218
11. Name of Previous Owner: City of Alameda

PERMITS — Check (✓) if you have permits from any of the following:

Local Agencies:

12. [ ] Sanitary Sewer District
Name of District:
13. [✓] City or Local Fire Dept. (Underground tanks, Hazardous Materials Business Plan)
Name of City or Dept.: Alameda Fire Dept.
14. [✓] S.F. Regional Water Quality Control Board (NPDES (General) or Individual Permit) : *Circle One*
15. [✓] Bay Area Air Quality Management District

OTHER — Please check (✓) if the following applies at your facility:

16. [ ] Acutely hazardous materials are handled.
17. [✓] 500 Lbs., 55 Gal., 200 Cu. Ft. or more of hazardous materials are handled.
18. [ ] Hazardous Materials or Hazardous Waste are contained in underground tanks.
19. [ ] The following category(s) of hazardous waste are handled at this facility:
[ ] Toxic [ ] Corrosive [✓] Ignitable [ ] Reactive

CERTIFICATION

I hereby certify, to the best of my knowledge, that the information on this form is true and complete.

Print Name Curt Bolton Title Harbormaster

Signature [signature] Date 8/25/96

FAC SURVEY / REV 7/94 JNS ECD

Part II

ON 9/5/96

INFORMATION

Facility Name: Grand Marina

Facility Address: 2047 Grand St City: Alameda Zip: 94501

5) Principle Business Activity: Recreational Marina 6) SIC Code:

7) EPA ID #: CAD982024218

8) Mailing Address: 2099 Grand St City: Alameda Zip: 94501

9) Billing Address: " City: " Zip: "

10) # of Empl: 12 # of Empl: 2 # of Empl:

Shift 1 Start: 9:00 AM Shift 2 Start: 7:00 AM Shift 3 Start:

Shift 1 End: 5:00 PM Shift 2 End: 4:00 PM Shift 3 End:

13) Hazardous Materials Storage Area: sq ft.

Facility Emergency Contacts

14) Primary Contact: Curt Bolton Work Phone #: 865-1200

Title: Harbormaster Home Phone #: 523-7869

15) Secondary Contact: Ray Cocral Work Phone #: 865-1200

Title: Asst. Harbormaster Home Phone #: 865-9629

16) Business Owner: Facial Marina Ltd. Work Phone #: 865-1200

Mailing Address: 2099 Grand St Home Phone #:

City: Alameda Co Zip: 94501

17) HMBP Contact: Curt Bolton Work Phone #: 865-1200

Title: Harbormaster Home Phone #:

18) Property Owner: Facial Marina Ltd Work Phone #: 865-1200

19) Mailing Address: 2099 Grand St Home Phone #: "

City: Alameda Co Zip: 94501

Emergency Planning

21a) There are school(s)/hospital(s)/extended care facilities within 1,000 ft. (straight line distance) of my facility.

Yes ☒ No ☐

on 7/5/96

HAZARDOUS WASTE GENERATOR IN

SIID #: 6038 FACILITY NAME: Grand Marina DATE:

ADDRESS, CITY & ZIP CODE: 2047 Grand St., Alameda PHONE: 865-1200

TYPE OF BUSINESS: Recreational Marina.

TIERED PERMITTING STATUS: CE ☐ CA ☐ FBR ☐ N/A ☐

	CODE SECTION	COMPLIANCE YES	NO	N/A
1. IDENTIFICATION NUMBER				
(a) Obtained EPA I.D. Number	66262.12(a)	✓		
(b) Transporter and TSDF Have EPA I.D. #	66262.12(c)	✓		
2. PRE-TRANSPORT REQUIREMENTS				
(a) HW Containers Labeled	66262.31			
(b) H W Label Properly Filled Out	66262.32(b)			
(c) HW Accumulation Time Not Exceeded	66262.34(c)			
(d) Accumulation Date Indicated	66262.34(f)			
(e) Description of H W Contents	66262.34(f)			
(f) HW Containers in Good Condition	66265.171			
(g) HW Compatible with Containers	66265.172			
(h) HW Containers Closed /Sealed	66265.173			
(i) HW Storage Area Inspected Weekly	66265.174			
(j) Tank & Tank Equip. Inspected Daily	66265.195			
(k) Incompatible HW in Separate Containers	66265.199			
(l) Proper Management of Used Oil Filters	66266.130			
3. RECORDKEEPING AND REPORTING				
(a) HW Analysis Kept 5 Yrs./Land Disposal	66262.11			
(b) Biennial Report Submitted to State	66262.41			
4. MANIFEST/RECEIPTS				
(a) HW Shipped with Proper Manifest	66262.20			
(b) Manifests Kept for last 3 Yrs.	66262.40(a)			
(c) HW Analysis Kept 3 Yrs.	66262.40(c)			
(d) Manifests Received from TSDF	66262.42			
5. TRAINING				
(a) Training Program Provided	66265.16			
(b) Personnel Trained & Supervised	66265.16(b)			
(c) HW Personnel Trained within 6 Months	66265.16(b)			
(d) Training Records Kept on Site	66265.16(d)			
(e) Training Records Maintained for 3 Yrs.	66265.16(e)			
(f) Training Records Complete	66265.16(1,2)			

	CODE SECTION	COMPLIANCE YES	NO	N/A
6. CONTINGENCY / BUSINESS PLAN				
(a) Contingency Plan Complete	66265.52(a-f)			
(b) Copy of Plan on Site	66265.53			
(c) Contingency/ Business Plan Submitted	66265.53(b)			
(d) Plan Amended as Necessary	66265.54			
(e) ER Co-ordinator Familiar w/ Plan	66265.55			
7. PREPAREDNESS AND PREVENTION				
(a) Internal Commun./Alarm Provided	66265.32(a)			
(b) A Device to Call Outside Provided	66265.32(b)			
(c) Spill Control Systems Available	66265.32(c)			
(d) Maintain ER Equipment	66265.33			
(e) Access to Commun. during HW Handl.	66265.34			
(f) Maintain Adequate Aisle Space	66265.35			
(g) Arrangements w/ Local Agencies	66265.37			
8. EMERGENCY PROCEDURES				
(a) Character/Source/Extent of ER Determ'd	66265.56			
(b) Proper Agencies Notified of Hlth. Hazard	66265.56			
(c) ER Data Submitted to DTSC & LIA	66265.56			
(d) Uncontrol. Release HW Properly Handled	66265.56			
9. WASTE STREAMS				
(a) Waste Oil				
(b) Non-Halogenated Solvents/Parts Cleaner				
(c) Ethylene Glycol/Antifreeze				
(d) Oily Sludges				
(e) Other:				
(f) Other:				
(g) Other:				
(h) Other:				
(i) Other:				

All above code sections refer to the California Code of Reg. Title 22

PERMISSION GIVEN TO INSPECT FACILITY: YES ☐ NO ☐

	Health & Safety Code			
Pollution Prevention				
Source Reduction Plan Completed	25244.19			

OTHER COUNTY PROGRAMS: UST ☐ HMBP ☐ UP ☒

REMARKS: Waste oil is stored in an above ground 250 gallon tank. Waste is stored in a 10,000 gallon above ground tank. Please complete the hazardous waste business plan that was issued to you today, and return it to my office within 30 days.

PRINT NAME: Curt Bolton TITLE: Harbormaster

SIGNATURE: INSPECTED BY: Carry Seto DATE: 7-24-96

GEN INSP RPT / HS ECO 7/94 REV. DISTRIBUTION: WHITE - FILE YELLOW - FACILITY PINK - INSPECTOR

CITY OF ALAMEDA - ADDRESS ACTIVITY REPORT

Activity at: 2041 GRAND ST

Permit	Type	Status	Applicant	Work Description	Issued Date	Finaled Date
B94-0115	Building Permit	FINAL	ITALO CALPESTRI	INSTALL EQUIP. ENCLOSURE, TOWER, ANTENNA	04/01/1994	09/07/1994
B95-1250	Building Permit	EXPIRED	GRAND MARINA CURT BOLTON	ADD ROOF TO MAKE COVERED STORAGE AREA		
BP870328	Building Permit	FINAL	ENCINAL	DEMOLITION	02/10/1987	09/08/1987
BP871086	Building Permit	FINAL	ENCINAL	INSTALL 2 NEW SIGNS	05/12/1987	03/04/1988
DR94-017	Miscellaneous Planning	FINAL	CALPESTRI (FOR GRAND MARINA)		03/29/1994	02/10/1994
DR95-082	Miscellaneous Planning	FINAL	CURT BOLTON/GRAND MARINA		09/20/1995	09/20/1995
EX01-0118	Right-of-Way Permit	ISSUED	EBMUD	INFRASTRUCTURE RENEWAL (REPLACEMENT): INSTALL 345 LINEAR FEET OF 8" ML & PCS PIPE	10/29/2001	
EX02-0127	Right-of-Way Permit	ISSUED	EBMUD	REPLACING WATER SERVICE PVD #53990-5761	08/16/2002	
EX04-0186	Right-of-Way Permit	ISSUED	EBMUD	INSTALL 345' OF 8" ML & PCS PIPE (INFRASTRUCTURE RENEWAL)	08/26/2004	

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA

DATE: 9/27/04 BY:

ALAMEDA [redacted] ARTMENT OF ENVIRONMENTAL [redacted]
Certified Unified Program Agency

Hazardous Waste Generator Inspection Checklist

Facility Name: Grand Marina STID: ____ Date of Inspection: 6-27-02
Facility Address: 2041 Grand St. Alameda Inspector: Carey Seto

Requirement	Citation	In Compliance? Yes	No	N/A
1. Identification Number				
(a) Obtained EPA ID Number	66262.12(a)	✓		
(b) Transporter and TSDF used have EPA ID #	66262.12(c)	✓		
2. Pre-Transport Requirements				
(a) HW determination done	66262.11(a)	✓		
(b) Containers labeled	66262.31	✓		
(c) Labels properly filled out	66262.32	✓		
(d) Within legal accumulation time	66262.34(c)	✓		
(e) Containers in good condition	66265.171	✓		
(f) Compatible with containers	66265.172	✓		
(g) Containers closed / sealed	66265.173(a)	✓		
(h) Storage area inspected weekly	66265.174	✓		
(i) Tanks equipment inspected daily	66265.195(a)			✓
(j) Incompatible HWs separated	66265.199			✓
(k) Used oil filters managed properly	66266.130(a)			✓
3. Recordkeeping / HW Manifests				
(a) LDR waste records kept 5 years	66268.7(a)(7)			✓
(b) Biennial Report submitted	66262.41(a)			✓
(c) HW shipped with manifests	66262.20			✓
(d) Manifests kept 3 years / receipts	66262.40(a)	✓		
(e) HW analyses kept 3 years	66262.40(c)			✓
(f) Manifests received from TSDF	66262.42			✓
4. HW Personnel Training				
(a) Training provided annually	66265.16	✓		
(b) Personnel trained and supervised	66265.16(b)	✓		
(c) New hires trained within 6 mos.	66265.16(b)	✓		
(d) Training records kept on site	66265.16(d)			✓
(e) Training records kept for 3 yrs.	66265.16(e)			✓
(f) Training records complete	66265.16(1,2)			✓

Requirement	Citation	In Compliance? Yes	No	N/A
5. Contingency Plan/Emergency Response Plan/Business Plan				
(a) CP/ERP/HMBP submitted	66264.53(a)	✓		
(b) Copy of Plan on site	66264.53	✓		
(c) Plan complete	66264.53	✓		
(d) Plan amended as necessary	66264.54	✓		
(e) ER Coordinator familiar w/ Plan	66264.55	✓		
6. Preparedness and Prevention				
(a) Spill control systems available	66264.32	✓		
(b) ER equipment in order	66264.33	✓		
(c) ER equipment storage secure	66264.14	✓		
(d) Aisle space in HW area adequate	66264.35	✓		
(e) Arranged w/ local ER agencies	66234.37			✓

Waste Streams
(a) Waste/Used oil
(b) Non-halogenated solvents / Parts cleaner
(c) Ethylene glycol / antifreeze / coolant
(d) Oily sludge
(e) Used oil filters
(f) Spent photoprocessing chemicals
(g) Dry cleaning solvent
(h) Other:
(i) Other:

All of the citations above refer to Title 22, California Code of Regulations

Pollution Prevention Program

The Health and Safety Code, Section 25244.19 requires certain hazardous waste generators to prepare and implement a Source Reduction Plan. Has this facility completed a Source Reduction Plan?

[ ] Yes [ ] No [ ] Not Applicable

Comments: Waste oil is stored on a 300 gal above ground tank that is secondarily contained. Waste oil was picked up today by Artesian Oil Recycling

Signature: _____ Name/Title: Heidi Master Date: 6/27

Page ___

HWGenChcklst.form (12-29-00)

UNIFIED PROGRAM CONSOLIDATED FORM
ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

BUSINESS OWNER/OPERATOR IDENTIFICATION FORM

I. IDENTIFICATION

FACILITY ID# 0 1 [redacted] 0 0 0 [redacted]

BEGINNING DATE 100

ENDING DATE 101

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Grand Marina

BUSINESS PHONE 102
510 - 865-1200

BUSINESS SITE ADDRESS 103
2070 Grand St

CITY 104
Alameda

CA

ZIP CODE 105
94501

DUN & BRADSTREET 106
N/A

SIC CODE (4 digit #) 107

COUNTY 108
Alameda

BUSINESS OPERATOR NAME 109
Grand Marina

BUSINESS OPERATOR PHONE 110
510 - 865-1200

II. BUSINESS OWNER

OWNER NAME 111
Encinal Marina

OWNER PHONE 112
510 - 865-1200

OWNER MAILING ADDRESS 113
2099 Grand St

CITY 114
Alameda

STATE 115
Ca

ZIP CODE 116
94501

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117
Curt Bolton

CONTACT PHONE 118
510 - 865-1200

CONTACT MAILING ADDRESS 119
2099 Grand St

CITY 120
Alameda

STATE 121
Ca

ZIP CODE 122
94501

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Curt Bolton	NAME 128: Raymond Corral
TITLE 124: Harbor Master	TITLE 129: Ast. Harbor Master
BUSINESS PHONE 125: 510 - 865-1200	BUSINESS PHONE 130: 510 - 865-1200
24-HOUR PHONE 126: 510 - 928 9980.	24-HOUR PHONE 131: 865-9629
PAGER # 127: Same	PAGER # 132: N/A

ADDITIONAL LOCALLY COLLECTED INFORMATION

( ) check here if this form is the annual submittal pursuant to Federal EPRCA requirements
( ) check here if this form is accompanied by new or modified Hazardous Materials Inventory-Chemical Description page(s)
( ) check here if this form is accompanied by a new or modified Business Activity form

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE

DATE 134: 6/27/02

NAME OF DOCUMENT PREPARER 135: Curt Bolton

NAME OF SIGNER (print) 136: Curt Bolton

TITLE OF SIGNER 137: Harbor Master

UPCF (revised 01/27/00)

OES FORM 2730 (1/99)

UNIFIED PROGRAM CONSOLIDATED FORM
ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

BUSINESS ACTIVITIES FORM

I. FACILITY IDENTIFICATION

FACILITY ID # 0 1 [redacted] 0 0 0 [redacted]

EPA ID # (Hazardous Waste Only)
CAD982024218

BUSINESS NAME (Same as Facility Name or DBA-Doing Business As)
Grand Marina

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF...
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ YES ☐ NO 4A	HAZARDOUS MATERIALS INVENTORY – (OES 2731)
	☐ YES ☑ NO 4B	FACILITY IS SUBJECT TO CAL-ARP A RMP meeting State and Federal requirements shall be submitted to the ACDEH
	☐ YES ☑ NO 4C	Submit copy of ER Plan to ACDEH
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☑ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☑ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☑ NO 7	UST TANK (closure portion -one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		
Own or operate ASTs above these thresholds: —any tank capacity is greater than 660 gallons, or —the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☑ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☑ YES ☐ NO 9	Contact ACDEH- HMBP may be required
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☑ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☑ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1722) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1722 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☑ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1222)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☑ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☑ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)
E. LOCAL REQUIREMENTS		
1. Annual submittal pursuant to Federal EPCRA requirements?	☐ YES ☑ NO 15	BUSINESS OWNER/OPERATOR (OES 2730) HAZARDOUS MATERIALS INVENTORY CHEMICAL DESCRIPTION (OES 2731)
2. Is the property owned by an entity other than the business owner?	☑ YES ☐ NO 16	PROPERTY OWNER IDENTIFICATION FORM

UPCF (revised 02/03/00)

ATTACHMENT TO THE BUSINESS OWNER/OPERATOR UNIFIED PROGRAM CONSOLIDATED FORM
ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

PROPERTY OWNER IDENTIFICATION FORM

SITE IDENTIFICATION

FACILITY ID# 0 1 [redacted] 0 0 0 [redacted]

FILING DATE OF THIS FORM: 6/27/02

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): Grand Marina

BUSINESS PHONE: 510-865-1200

BUSINESS SITE ADDRESS: 20[illegible] Grand St

CITY: Alameda | ZIP CODE: 94501

PROPERTY OWNER

OWNER NAME (USE CORPORATE NAME, IF APPLICABLE, AND COMPLETE CONTACT SECTION): Encinal Marina

OWNER PHONE: 510-865-1200

OWNER MAILING ADDRESS: 2099 Grand St

CITY: Alameda | STATE: Ca | ZIP CODE: 94501

PROPERTY OWNER CONTACT (FOR CORPORATIONS)

CONTACT NAME: Curt Bolton | CONTACT PHONE: 510/865-1200

CONTACT MAILING ADDRESS: 2099 Grand St

CITY: Alameda | STATE: Ca | ZIP CODE: 94501

PROPERTY OWNER EMERGENCY CONTACT

NAME: Curt Bolton

TITLE: Harbor Master

BUSINESS PHONE: 510-865-1200

24-HOUR PHONE: 510-928-9980

PAGER #: Same

Please use this form to report property ownership (and property management contacts, if applicable) for the database. This form need only be completed on the first HMBP submittal, when property ownership or property management changes, or upon special request by this Department.

PropOwner.form (02/02/00)

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

HAZARDOUS MATERIA

☐ ADD ☐ DELETE ☐ REVISE 200 (one page per material per building)

Page __

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): Grand Marina

CHEMICAL LOCATION: 2041 Grand St Alameda Ca 94501 201

CHEMICAL LOCATION CONFIDENTIAL EPCRA ☐ YES ☑ NO

FACILITY ID # 0 1 [redacted] 0 0 0 [redacted] 1 | MAP# 203 | GRID# 204

II. CHEMICAL INFORMATION

CHEMICAL NAME: Used Oil 205

TRADE SECRET ☐ Yes ☑ No 206

If Subject to EPCRA, refer to instructions

COMMON NAME: " " 207

EHS* ☐ Yes ☑ No

CAS# 208

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA)

HAZARDOUS MATERIAL TYPE (Check one item only): ☐ a. PURE ☐ b. MIXTURE ☑ c. WASTE 211

RADIOACTIVE ☐ Yes ☑ No 212 | CURIES: NO 213

PHYSICAL STATE (Check one item only): ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER: 300 gallons 215

FED HAZARD CATEGORIES (Check all that apply): ☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
100 gallons	300 gallons	600 gallons	

UNITS* (Check one item only): ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221

* If EHS, amount must be in pounds.

DAYS ON SITE: 365 222

STORAGE CONTAINER (1): ☑ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE: ☑ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 223

STORAGE TEMPERATURE: ☑ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 224

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	226	227	☐ Yes ☐ No 228	229
2	230	231	☐ Yes ☐ No 232	233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

225

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

UPCF (revised 01/26/00) If EPCRA, Please Sign Here

OES Form 2731

Uriah Inc.

An Environmental Services Company

90 JAN -8 AM 10:57

June 3, 1988

Mr. Gary Zaccor
Zaccor Corporation
791 Hamilton Avenue
Menlo Park, California 94025

Re: Subsurface Sampling

Dear Mr. Zaccor:

Uriah Inc. would like to subeit the following summary of the subsurface investigation performed at Encinal Marine located at 2041 Grand Street in Alameda, California.

On Tuesday, May 24th, following removal of one (1) 1000 gallon gasoline storage tank, sampling was performed by Uriah Inc. to attempt the determination of hydrocarbon contamination (if any) present in the underlying soil.

At the time of the tank removal, water was present in the tank pit starting at a depth of five feet below grade. A leaking water line which crossed the east end of the excavation continued to trickle throughout the removal and it is difficult to discern whether the water observed was tidally influenced groundwater or leakage from the damaged line.

With the approval of Ariu Levi of the Alameda County Department of Health, soil samples were collected from a depth of 4.5 feet in the end wall at the fill end of the excavation, and from a depth of 4.5 feet from the west side wall at it's southern end (samples 14588T2S #1 & #2 from diagram). The second sample was taken from the side wall to avoid the obstruction presented by water and gas lines overlying the south end of the pit. At the request of Mr. Levi, an additional water sample was collected from within the pit and placed on hold (sample 14588T2S #3).

As approved by Mr. Levi, the samples collected from below the gasoline tank were analyzed for total petroleum hydrocarbons as gasoline (TPH) with distinction for benzene, toluene, ethyl-benzene, and xylenes (BTEX) using EPA method 5020\8015 and 8020.

VISUAL OBSERVATIONS

The tank was observed to be in fair condition. Although some significant scaling and pitting was apparent, no holes were found.

The soil sampled from beneath the fill end of the gasoline tank (14588T2S #1) was composed of wet, dark, gray sands with a slight hydrocarbon odor detected. The sample from the opposite end of the pit (14588T2S #2) was composed of lighter gray colored sands which emitted a stronger hydrocarbon odor.

A heavy, dark sheen was observed floating on the water contained within the pit.

SAMPLING METHODOLOGY

All soil samples were obtained by Uriah Inc. staff by collection in clean brass tubes (1.92 inch diameter and 6 inches long). The brass tubes were sealed with aluminum foil, capped and sealed again with black electrical tape and placed on ice before being handed to personnel of the Hazcat Mobile Laboratory (a California State certified hazardous waste analytical laboratory) with a chain of custody.

The soil to be sampled was withdrawn from the tank excavation by a backhoe. The sample was collected immediately upon access to the bucket by first removing the outer two to three inches of soil and promptly driving the sample tube into the exposed layer using an appropriate tool.

Water was collected from the pit using a teflon bailer. The bailer was washed using trisodium phosphate cleanser and rinsed with distilled water before and after collection of the sample. The sample was contained in two volatile organic analysis vials (VOA's), placed on ice and transported with a chain of custody to the Hazcat Mobile Laboratory along with the soil samples.

RESULTS

Copies of the analytical results as received from the certified analytical laboratory are enclosed.

CONCLUSIONS AND RECOMMENDATIONS

The total hydrocarbon concentration as gasoline found in the sampled soils were found to be less than 1.0 parts per million (ppm) at the fill end and 730 ppm at the opposite end. These concentrations are well below the 1000 ppm TPH level which typically triggers a regulatory agency mandate for remediation.

According to the SFRWQCB document entitled "Guidelines for Addressing Fuel Leaks", contaminated soil under a tank equal to or in excess of 100 ppm TPH constitutes a confirmed release. According to the same document, the appropriate action includes the installation of at least one groundwater monitoring well. Since the concentration of petroleum hydrocarbons as gasoline found at the fill end exceeded this limit (730 ppm), the installation of at least one groundwater monitoring well is suggested.

Copies of this report have been included and should be forwarded to the following agencies. Submission to the Water Quality Control Board San Francisco Bay Region should include copies of the sampling report, chain

P.O. Box 3833 • Modesto, California 95352 • (209) 579-2007

of custody, and labo. .ory reports along with a cover .etter from the property owner.

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
6th floor
Oakland, California 94607
Attention: Greg Zentner

Alameda County Department of Health
80 Swan Way
Room 200
Oakland, California 94621
Attention: Ariu Levi

If there are any questions, or if we may be of any further assistance, please contact me at (209) 579-2007.

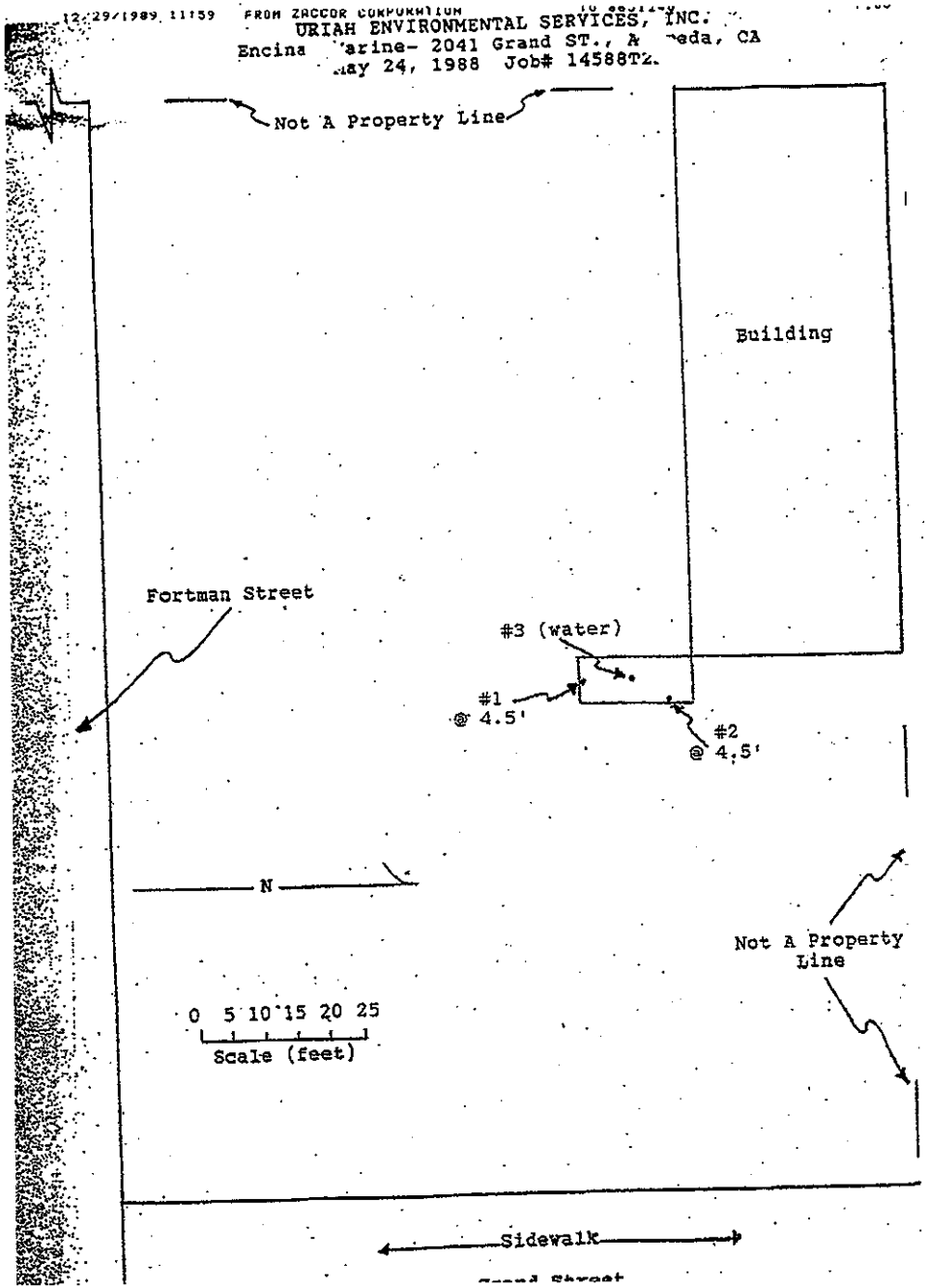
Sincerely,

Timothy M. Babcock

Timothy M. Babcock
Environmental Microbiologist

12/29/1989 11:59 FROM ZACCOR CORPORATION

URIAH ENVIRONMENTAL SERVICES, INC.
Encina Marine- 2041 Grand ST., A[illegible]eda, CA
May 24, 1988 Job# 14588Tz.



HAZCAT Mobile Organics Lab

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Uriah Environmental Services Inc.
P.O. BOX 3833
Modesto,CA 95352

Date Sampled:05-24-88
Date Received:05-24-88
Date Reported:05-25-88

Sample Number	Sample Description
058090	14588T2S -Alameda Grand St.-Encino Marina # 1 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
otal Petroleum Hydrocarbons s Gasoline	1	<1.0
enzene	0.1	<0.1
oluene	0.1	<0.1
ylenes	0.1	<0.1
thylbenzene	0.1	<0.1

ote: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

ZCAT

nald G. Evans
b Director

HAZCAT Mobile Organics Lab

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Uriah Environmental Services Inc.
P.O. BOX 3833
Modesto,CA 95352

Date Sampled:05-24-88
Date Received:05-24-88
Date Reported:05-25-88

Sample Number	Sample Description
058091	14588T2S -Alameda Grand St.-Encino Marina # 2 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1	730
Benzene	0.1	0.3
Toluene	0.1	0.3
Xylenes	0.1	0.7
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

HAZCAT

Ronald G. Evans
Lab Director

URIAH ENVIRONMENTAL SERVICES INC.

CHAIN OF CUSTODY

PROJECT #: 14588T2S TURN-AROUND: 24 hr RESULTS BY: 5/25/88
SAMPLING COMPLETED: 5:15 AM/PM, 5/24/88 BY [illegible]
SITE ADDRESS: Grand St. - Encino Marina Alameda, CA

SAMPLE#	SOIL/ WATER	ANALYZE FOR:	#CONTAINERS	SINGLE/ COMPOSIT
1	S	TPH(gas) & BTEX	1	S
2	S	" "	1	S
3	W	Hold (TPH(gas) & BTEX)	3	S

RELEASED BY: [illegible] 5:15, 5/24/88
_____ __:__, __/__/88
_____ __:__, __/__/88

ACCEPTED BY: [illegible] 5:15, 5/24/88
_____ __:__, __/__/88
_____ __:__, __/__/88

H & H SHIP SERVICE COMPANY

W. J. HARRIS

220 CHINA BASIN, P.O. BOX 77363 · SAN FRANCISCO, CA 94107 · DAY AND NIGHT: 543-4835

CERTIFICATES OF DISPOSAL

June 2, 198

H & H Ship Service Company certifies to ZACCOR that:

1. The storage tank(s), size(s) One (1) 1,000 Gallons removed from the ENCINAL MARINA facility at 2051 Grand Street Alameda, California were transported to H & H Ship Service Company, 220 China Basin Street San Francisco, California 94107.
2. The following tank(s), H & H Job Number: 7919 have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.
3. Disposal site: Levin Metals Corporation, Richmond, California.
4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.
5. Should you require further information, please contact (415) 543-483

Very Truly Yours,

Cleveland Fairey
Q.A. & Safety Coordinator

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000078269 — Manifest Document No. 511010B — Page 1 of 1 — Emergency Response Phone — Waste Profile No.

2. Generator's Name and Mailing Address: Grand Harbor 2019 Grand St. Alameda Ca, 94501

4. Generator's Phone (915) 865 1200

5. Transporter 1 Company Name: H&H SHIP SERVICE Co. — 6. US EPA ID Number: CAD 004777168

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address: H&H SHIP SERVICE, Co. 220 CHINA BASIN, ST. SAN FRANCISCO, CA. 94107 CAD 004777168 — 10. US EPA ID Number — Facility's Phone 415-822-3096

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE FLAMMABLE TANK U.N 1203	0001	TP	010101	G	EPA/Other: State:
b.					EPA/Other: State:
c.					EPA/Other: State:
d.					EPA/Other: State:

J. Additional Descriptions for Materials Listed Above: EMPTY UNDISCLOSED CHEMICALS TANK WAS FLAMMABLE, TANK TO BE TRUCKED AND HELD FOR DISPOSAL

K. Handling Codes for Wastes Listed Above: 01

15. Special Handling Instructions and Additional Information: NONE.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Gary Zaccor — Signature — Month Day Year: 05 12 1988

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ESTEBAN M. PENALVER — Signature — Month Day Year: 05 12 1988

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Leonard Valerio — Signature — Month Day Year: 05 13 1988

DHS 8022 A (1/87) EPA 8700—22 — White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS To: P.O. Box 3000, Sacramento, CA 95812 — INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA ONLY, 1-800-852-7550

GENERATOR — TRANSPORTER — FACILITY

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000078269 — Manifest Document No. 511010A — Page 1 of 1 — Emergency Response Phone — Waste Profile No.

2. Generator's Name and Mailing Address: ENCINAL MARINA 2051 Grand ST. Alameda, CA. 94501 — Contact Person: CURT BOLTON

4. Generator's Phone (915) 865-1200

5. Transporter 1 Company Name: H+H SHIP SERVICE — 6. US EPA ID Number: CAD 004777168

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address: H+H SHIP SERVICE 220 CHINA BASIN ST. SAN FRANCISCO, CA 94107 CAD 004777168 — 10. US EPA ID Number — Facility's Phone 415-543-3096

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE HAZARDOUS LIQUID NOS OMIT N/A 9189	0001	TT	002010	G	EPA/Other: State:
b.					EPA/Other: State:
c.					EPA/Other: State:
d.					EPA/Other: State:

J. Additional Descriptions for Materials Listed Above: WATER-99% OIL-1% — K. Handling Codes for Wastes Listed Above: T2

15. Special Handling Instructions and Additional Information: GLOVES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Giulio Salaroi — Signature — Month Day Yr: 05 13 88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DANIEL GERSON — Signature — Month Day Yr: 05 13 88

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Dean Urbanik — Signature — Month Day: 10 13

DHS 8022 A (1/87) EPA 8700—22 — White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS To: P.O. Box 3000, Sacramento, CA 95812 — INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA ONLY, CALL 1-800-852-7550

GENERATOR — TRANSPORTER — FACILITY

DRAFT

8. Contact Person for Investigation

Name Gary Zaccor Title President

Phone 363-2181

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [x] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name H & H Ship Service EPA I.D. No. CAD 004771168

Address 220 China Basin

City San Francisco State CA Zip 94107

b) Rinsate Transporter

Name see above EPA I.D. No.

Address

City State Zip

c) Tank Transporter

Name Zaccor Companies EPA I.D. No.

Address Hydroblasting & rinsing on site render tank

City unregulated State Zip

d) Contaminated Soil Transporter

Name EPA I.D. No.

Address

City State Zip

12. Sample Collector

Name Blaine Tech Services

Company

Address 1370 Tully Rd. Suite 505

City San Jose State CA Zip 95150 Phone 408)723-3974

1 2000 GAL GAS TANK
TOTAL REMOVED/NOT REPLACED
ONE OUT.

Alameda Fire Dept. Preliminary Approval

FOR FINAL APPROVAL AN INSPECTION IS REQUIRED UPON COMPLETION OF ~~ALL INSTALLATION AND BEFORE ANY~~ FILLING IS OCCUPIED.

BY [signature] DATE 4-21-88

1835

GRAND ST.

Webb's Marine

Boat Storage

2000 GAS

PLUMBING & MECHANICAL PLANS
APPROVED
DATE 4-25-88
BY [signature]
Donald J. Rodrigues
Sr. Plbg. & Mech. Insp.

GRAND ST., North End (Corporation Yard)

2041

DATE	JOB	COST	PERMIT NO.	REMARKS
1-7-20	addition	250.00	4691	
2-21-39	work shop	13,198.00	103	
4-26-37	garages	4,827.00	202	
9-20-43	garage	850.00	381	
11-15-51	broom shed	3,000.00	1062	Plan #27A
4-3-57	remodel washroom	3,597.00	290	
7-25-58	reroofing garage & shop	280.	804	
1-27-59	reroof north barn	300.	145	

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE. CITY OF ALAMEDA

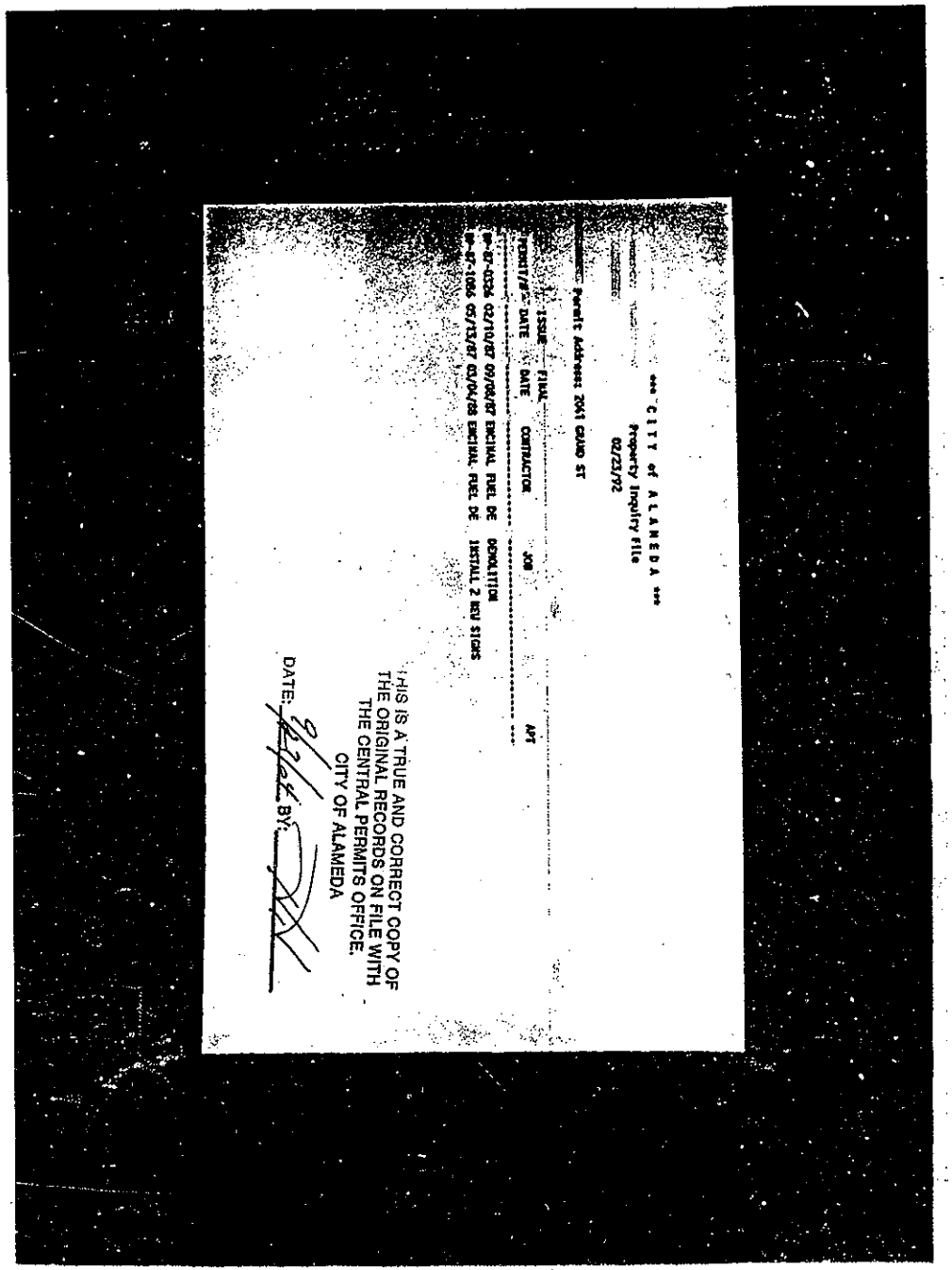
DATE: 9/27/04 BY:

Resolution # 905 - that the proposed combination shop building to be located at 2041 Grand St. is in substantial compliance with the Master Plan of the City's General Plan (file address file)

Resolution # 904 - off-street parking spaces (" " ")

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE. CITY OF ALAMEDA

DATE: 9/27/04 BY:



*** CITY of ALAMEDA ***
Property Inquiry File
02/23/92

Permit Address: 2041 GRAND ST

PERMIT/APP	DATE ISSUE	FINAL DATE	CONTRACTOR	JOB	APT
BP-87-0234	02/10/87	09/08/87	ENCINAL FUEL DE	DEMOLITION	
BP-87-1066	05/13/87	03/04/88	ENCINAL FUEL DE	INSTALL 2 NEW STORA	

THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL RECORDS ON FILE WITH THE CENTRAL PERMITS OFFICE.
CITY OF ALAMEDA
DATE: 2/24/92 BY:

Removed 3-11-80 1-550 gal. tank

June 5 1963

(Western Dry Kiln)
Jones Veneer & Plywood Co.
Alaska Packers Yard, 2029 Grand St.

1 - 550 gal tank - gasoline
2 ft below grade with 6" concrete slab.

Permit granted by H D Weller, City Manager

Approved by Wm L Hilbish, Fire Marshal

Existing tanks: None

Location: 2041 ~~2141~~ Grand St. (Corp. Yard)

Name: City of Alameda

Liquid: Gasoline - 1 tank, 1,000 gals.

Installation: 2 ft. underground with 6 inch concrete slab

Date Issued: June 12, 1969

Existing Tanks: 1 - 1,000 gals. (removed)

2041 Grand St. Nov 19 1963

City of Alameda Corporation Yard
North end Grand St

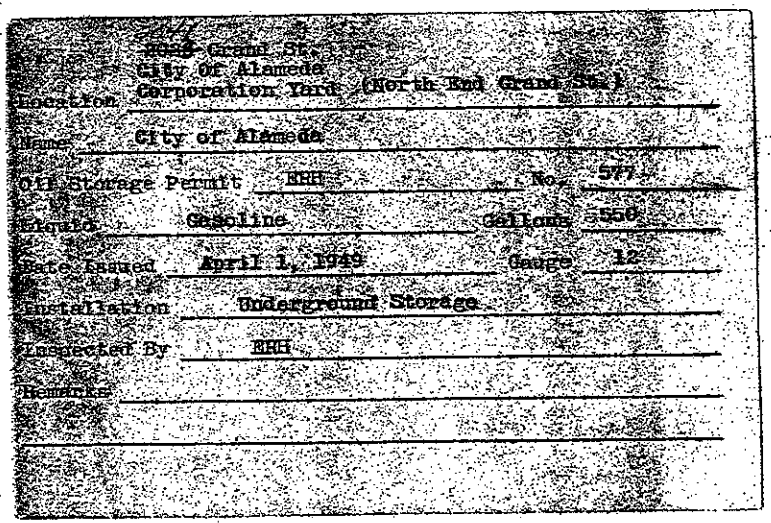
1 - 1000 gal. tank - gasoline

2 ft below grade with 6" concrete slab.

Existing tanks: 1 - 550 gas. to be filled

Permit granted by H D Weller, City Manager

Approved by Wm L Hilbish, Fire Marshal



2041 Grand St.
City of Alameda
Location Corporation Yard (North End Grand St.)
Name City of Alameda
Oil Storage Permit RRH No. 577
Liquid Gasoline Gallons 550
Date Issued April 1, 1949 Gauge 12
Installation Underground Storage
Inspected By RRH
Remarks

APPENDIX D
REGULATORY AGENCY DATABASE REPORT

The following regulatory agency database report was obtained and reviewed to help establish whether contamination incidents have been reported within the site vicinity. A list of the database sources reviewed, a detailed description of the sources, and a radius map indicating the location of the reported facilities relative to the project site are included in the report.

The information presented is obtained from a variety of public databases and other sources. No warranty or representation is made regarding the accuracy or completeness of the presented data. In some cases, a listed facility cannot be mapped with confidence, but instead may be located only by city or zip code. These unmappable sites are referred to as "orphan" sites and, if present, they are listed in the database report.

The EDR Radius Map
with GeoCheck®

Grand Marina Village
Fortmann Way and Grand Street
Alameda, CA 94501

Inquiry Number: 1276150.2s

September 27, 2004

EDR™ Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-EDR

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

FORTMANN WAY AND GRAND STREET
ALAMEDA, CA 94501

COORDINATES

Latitude (North):	37.778100 - 37° 46' 41.2"
Longitude (West):	122.252900 - 122° 15' 10.4"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	565792.6
UTM Y (Meters):	4181252.8
Elevation:	8 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	37122-G3 OAKLAND WEST, CA
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	Corrective Action Report
RCRIS-TSD	Resource Conservation and Recovery Information System
RCRIS-LQG	Resource Conservation and Recovery Information System
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

CHMIRS	California Hazardous Material Incident Report System

Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
VCP	Voluntary Cleanup Program Properties
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
UMTRA	Uranium Mill Tailings Sites
DOD	Department of Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
INDIAN RESERV	Indian Reservations
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
CLEANERS	Cleaner Facilities
CA WDS	Waste Discharge System
DEED	List of Deed Restrictions
EMI	Emissions Inventory Data
NFA	No Further Action Determination
NFE	Properties Needing Further Evaluation
SCH	School Property Evaluation Program
HAZNET	Facility and Manifest Data

BROWNFIELDS DATABASES

US BROWNFIELDS	A Listing of Brownfields Sites
VCP	Voluntary Cleanup Program Properties

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CERCLIS-NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 05/17/2004 has revealed that there is 1 CERC-NFRAP site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PENNZOIL CO	2015 GRAND ST	0 - 1/8 S	D12	19

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there are 4 RCRIS-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ARTESIAN OIL RECOVERY	*2049 GRAND ST*	*0 - 1/8 SSE*	*C7*	*12*
PENNZOIL PRODUCTS COMPANY	*2015 GRAND*	*0 - 1/8 S*	*D13*	*19*
CITY OF ALAMEDA BUREAU OF ELEC	*2000 GRAND ST*	*1/8 - 1/4 S*	*D16*	*31*
KEM-MIL-CO	*1829-A CLEMENT*	*1/8 - 1/4 SSE*	*E22*	*38*

STATE ASTM STANDARD

AWP: California DTSC's Annual Workplan, formerly known as BEP, identifies known hazardous substance sites targeted for cleanup. The source is the California Environmental Protection Agency.

A review of the AWP list, as provided by EDR, and dated 06/01/2004 has revealed that there is 1 AWP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PORT OF OAKLAND, BERTH 25 AND	*2700 7TH STREET*	*1/2 - 1 E*	*44*	*58*

CAL-SITES: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, has revealed that there are 2 Cal-Sites sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PORT OF OAKLAND - EMBARCADERO	*DENNISON AND EMBARCADER*	*1/2 - 1 E*	*34*	*52*
PORT OF OAKLAND, BERTH 25 AND	*2700 7TH STREET*	*1/2 - 1 E*	*44*	*58*

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 9 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ENCINAL MARINA	*2051 GRAND ST*	*0 - 1/8 SSE*	*C6*	*11*
ALAMEDA MUNI GARAGE	*2040 GRAND ST*	*0 - 1/8 SSE*	*C9*	*15*
PENNZOIL PRODUCTS COMPANY	*2015 GRAND*	*0 - 1/8 S*	*D13*	*19*
WEYERHAEUSER PAPER COMPAN	1801 HIBBARD	1/8 - 1/4 SSW	F25	40
PACIFIC SHOPS INC	*1851 CLEMENT AVE*	*1/4 - 1/2 SE*	*27*	*42*
METROPOLITAN CA STEVEDORE	*1521 BUENA VISTA*	*1/4 - 1/2 W*	*29*	*46*
WESTLINE INDUSTRIES	*1925 LAFAYETTE ST*	*1/4 - 1/2 SSE*	*30*	*49*
ALAMEDA FIRE STATION #3	*1703 GRAND ST*	*1/4 - 1/2 SSW*	*31*	*51*

Lower Elevation	Address	Dist / Dir	Map ID	Page
GRAND MARINA	*2099 GRAND ST*	*0 - 1/8 E*	*B5*	*7*

NOTIFY 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, has revealed that there are 9 Notify 65 sites

within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
KNOWN	1755 EMBARCADECO EAST	1/2 - 1 NE	37	54
BLYMYER ENGINEERS,INC.	1829 CLEMENT AVE.,	1/2 - 1 SE	38	54
LIQUID CARBONIC	*901 EMBARCADERO*	*1/2 - 1 N*	*39*	*54*
SERVICE STATION	2200 EAST 12TH STREET	1/2 - 1 ENE	40	55
UNKNOWN	2235 CLEMENT AVENUE	1/2 - 1 SE	41	56
DAVLIN PAINT	*1401 14TH*	*1/2 - 1 NNE*	*42*	*56*
SENNA AUTOMOTIVE	2301 EAST 12TH STREET	1/2 - 1 ENE	43	57

Lower Elevation	Address	Dist / Dir	Map ID	Page
C OWLEY MA ITIME CO P.	PAC. DRY DOCK REPAIR YA	1/2 - 1 N	35	53
C OWLEY MA ITIME CO.PO ATION	PAC. DRY DOCKS, YARDS 1	1/2 - 1 N	36	53

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 12 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ENCINAL MARINA	*2051 GRAND ST*	*0 - 1/8 SSE*	*C6*	*11*
ALAMEDA MUNI GARAGE	*2040 GRAND ST*	*0 - 1/8 SSE*	*C9*	*15*
CITY OF ALAMEDA MUNI GARAGE	2040 GRAND ST	0 - 1/8 SSE	C10	18
PENNZOIL PRODUCTS COMPANY	*2015 GRAND*	*0 - 1/8 S*	*D13*	*19*
PACIFIC SHOPS INC	1815 CLEMENT AVE	1/8 - 1/4 SSE	E20	34
WEYERHAEUSER CO	*1801 HIBBARD ST*	*1/8 - 1/4 SSW*	*F24*	*39*
WEYERHAEUSER PAPER COMPANY	1801 HIBBARD ST	1/8 - 1/4 SSW	F26	41
WHITMORE AUTO SERVICE	*1701 BUENA VISTA AVE*	*1/4 - 1/2 SSW*	*28*	*44*
METROPOLITAN CA STEVEDORE	*1521 BUENA VISTA*	*1/4 - 1/2 W*	*29*	*46*
WESTLINE INDUSTRIES	*1925 LAFAYETTE ST*	*1/4 - 1/2 SSE*	*30*	*49*
CARGILL SALT	2016 CLEMENT AVE	1/4 - 1/2 SE	32	51

Lower Elevation	Address	Dist / Dir	Map ID	Page
GRAND MARINA	*2099 GRAND ST*	*0 - 1/8 E*	*B5*	*7*

BEP: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PORT OF OAKLAND - EMBARCADERO	*DENNISON AND EMBARCADER*	*1/2 - 1 E*	*34*	*52*

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CITY OF ALAMEDA, MAINT SRV CEN	1616 FORTMAN WAY	0 - 1/8 SW	A1	6
PACIFIC SHOPS, INC.	1815 CLEMENT AVENUE	1/8 - 1/4 SSE	E19	34

Lower Elevation	Address	Dist / Dir	Map ID	Page
GRAND HARBOR FUEL DOCK	2099 GRAND STREET	0 - 1/8 E	B4	7

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there are 6 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MAINTENANCE SERVICE CENTER	1616 FORTMANN WAY	0 - 1/8 SW	A3	7
ALAMEDA MUNI GARAGE	*2040 GRAND ST*	*0 - 1/8 SSE*	*C9*	*15*
PENNZOIL PRODUCTS COMPANY	*2015 GRAND*	*0 - 1/8 S*	*D13*	*19*
BUREAU OF ELECTRICITY	2000 GRAND ST	1/8 - 1/4 S	D15	31
ALAMEDA MARINA	1815 CLEMENT AVE	1/8 - 1/4 SSE	E18	34
WEYERHAEUSER CO	1801 HUBBARD ST	1/8 - 1/4 SSW	F23	38

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MAINTENANCE SERVICE CENTER	1616 FORTMAN WAY	0 - 1/8 SW	A2	6
PENNZOIL PRODUCTS COMPANY	2015 GRAND ST	0 - 1/8 S	D11	18
PENNZOIL PRODUCTS COMPANY	*2015 GRAND*	*0 - 1/8 S*	*D13*	*19*
BUREAU OF ELECTRICITY	2000 GRAND ST	1/8 - 1/4 S	D17	33
WEYERHAEUSER CO	*1801 HIBBARD ST*	*1/8 - 1/4 SSW*	*F24*	*39*

FEDERAL ASTM SUPPLEMENTAL

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2003 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
NIR REPAIR OAKLAND		1/2 - 1 NNW	33	51

STATE OR LOCAL ASTM SUPPLEMENTAL

REF: This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another tate or local regulatory agency.

A review of the REF list, as provided by EDR, and dated 06/01/2004 has revealed that there are 2 REF sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	*2015 GRAND STREET*	*0 - 1/8 S*	*D14*	*25*
KEM MIL CO, DIVISION OF GRAPHI	*1829 CLEMENT AVENUE*	*1/8 - 1/4 SSE*	*E21*	*36*

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 4 CA SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
GRAND STREET TANK FARM	2047 GRAND ST	0 - 1/8 SSE	C8	14
PENNZOIL PRODUCTS COMPANY	*2015 GRAND*	*0 - 1/8 S*	*D13*	*19*
KEM MIL CO, DIVISION OF GRAPHI	*1829 CLEMENT AVENUE*	*1/8 - 1/4 SSE*	*E21*	*36*
METROPOLITAN CA STEVEDORE	*1521 BUENA VISTA*	*1/4 - 1/2 W*	*29*	*46*

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

Due to poor or inadequate address information, the following sites were not mapped:

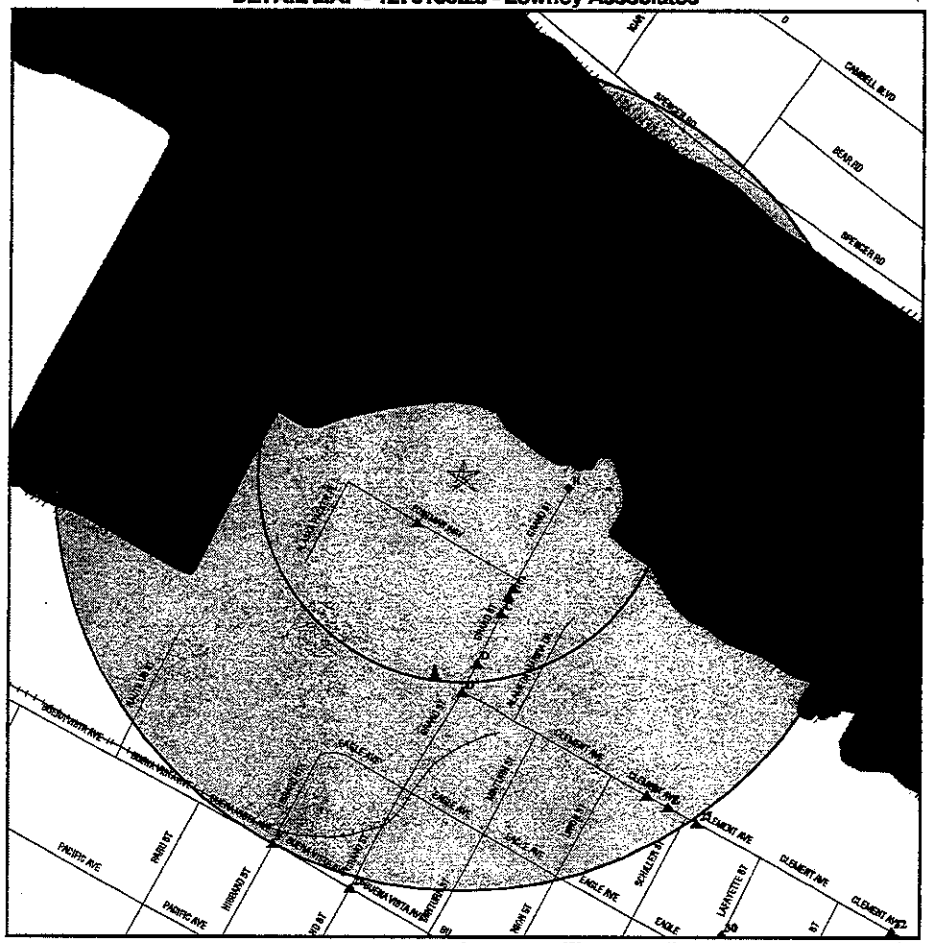
Site Name	Database(s)
GENERAL ELECTRIC CO	Cal-Sites, PADS, RCRIS-SQG, FINDS, LUST, Cortese, RCRIS-TSD, AWP, CA SLIC, CORRACTS, CERC-NFRAP, DEED
UNITED STATES COAST GUARD	Cal-Sites, AWP
SCR- ALAMEDA NAS SKEET & T	HAZNET, CHMIRS, Cortese
CITY OF ALAMEDA / DPW	HAZNET, SWF/LF
ALAMEDA POINT OU4A (FORMER NAS ALA	SWF/LF
FISCA ALAMEDA BLDG 10, IR5	LUST
USCG BLDG 44	LUST
WILANCO INC	LUST
WILANCO	LUST
CALTRANS SAN LEANDRO BAY BRIDGE	RCRIS-SQG, FINDS, HAZNET
AIRCRAFT CARRIER HORNET F D N	RCRIS-SQG, FINDS
FORMER EAST HOUSING AREA SCHOOL	SCH

OVERVIEW MAP - 1276150.2s - Lowney Associates

- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Concern

TARGET PROPERTY:	Grand Marina Village	CUSTOMER:	Lowney Associates
ADDRESS:	Fortmann Way and Grand Street	CONTACT:	Veronica Tiglao
CITY/STATE/ZIP:	Alameda CA 94501	INQUIRY #:	1276150.2s
LAT/LONG:	37.7781 / 122.2529	DATE:	September 27, 2004 9:49 am

DETAIL MAP - 1276150.2s - Lowney Associates



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Historical Gas Stations / Historical Dry Cleaners See the EDR Proprietary Historical Map Findings
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Concern

TARGET PROPERTY:	Grand Marina Village	CUSTOMER:	Lowney Associates
ADDRESS:	Fortmann Way and Grand Street	CONTACT:	Veronica Tiglao
CITY/STATE/ZIP:	Alameda CA 94501	INQUIRY #:	1276150.2s
LAT/LONG:	37.7781 / 122.2529	DATE:	September 27, 2004 9:50 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	1	0	NR	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	2	NR	NR	NR	4
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
AWP		1.000	0	0	0	1	NR	1
Cal-Sites		1.000	0	0	0	2	NR	2
CHMIRS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	4	1	4	NR	NR	9
Notify 65		1.000	0	0	0	9	NR	9
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST		0.500	5	3	4	NR	NR	12
CA Bond Exp. Plan		1.000	0	0	0	1	NR	1
UST		0.250	2	1	NR	NR	NR	3
VCP		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.250	3	3	NR	NR	NR	6
HIST UST		0.250	3	2	NR	NR	NR	5
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
FUDS		1.000	0	0	0	1	NR	1
INDIAN RESERV		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		TP	NR	NR	NR	NR	NR	0
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
REF		0.250	1	1	NR	NR	NR	2
EMI		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
SLIC		0.500	2	1	1	NR	NR	4
HAZNET		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Gas Stations/Dry Cleaners		0.250	0	0	NR	NR	NR	0
Coal Gas		1.000	1	0	0	0	NR	1
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

A1
SW
< 1/8
209 ft.

Relative:
Higher

Actual:
9 ft.

CITY OF ALAMEDA, MAINT SRV CENTER — UST — U003911882 / N/A
1616 FORTMAN WAY
ALAMEDA, CA 94501

Site 1 of 3 in cluster A

UST Alameda County:

Region :	ALAMEDA
Inspection Dt:	Feb. 4, 2003/Feb 10, 2004
Owner Name :	City of Alameda, Pete Carral
Owner Tele :	7577900
Permit Expire Date:	July 15, 2007
Comments :	MVF 3

A2
SW
< 1/8
209 ft.

Relative:
Higher

Actual:
9 ft.

MAINTENANCE SERVICE CENTER — HIST UST — U001596147 / N/A
1616 FORTMAN WAY
ALAMEDA, CA 94501

Site 2 of 3 in cluster A

UST HIST:

Facility ID:	65219	Owner Name:	CITY OF ALAMEDA
Total Tanks:	3	Region:	STATE
Owner Address:	2263 SANTA CLARA AVENUE ALAMEDA, CA 94501		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	3
Tank Capacity:	00001000	Year Installed:	1984
Type of Fuel:	DIESEL	Tank Construction:	1/4 inches
Leak Detection:	Visual, Stock Inventor		
Contact Name:	JERRY EICHELBERGER	Telephone:	(415) 522-4100
Facility Type:	Other	Other Type:	SERVICE CENTER
Facility ID:	65219	Owner Name:	CITY OF ALAMEDA
Total Tanks:	3	Region:	STATE
Owner Address:	2263 SANTA CLARA AVENUE ALAMEDA, CA 94501		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00006000	Year Installed:	1984
Type of Fuel:	UNLEADED	Tank Construction:	1/4 inches
Leak Detection:	Visual, Stock Inventor		
Contact Name:	JERRY EICHELBERGER	Telephone:	(415) 522-4100
Facility Type:	Other	Other Type:	SERVICE CENTER
Facility ID:	65219	Owner Name:	CITY OF ALAMEDA
Total Tanks:	3	Region:	STATE
Owner Address:	2263 SANTA CLARA AVENUE ALAMEDA, CA 94501		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	1
Tank Capacity:	00001000	Year Installed:	1984
Type of Fuel:	REGULAR	Tank Construction:	Not Reported
Leak Detection:	Visual, Stock Inventor		
Contact Name:	JERRY EICHELBERGER	Telephone:	(415) 522-4100
Facility Type:	Other	Other Type:	SERVICE CENTER

Map ID
Direction
Distance
Distance (ft.)
Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

A3
SW
< 1/8
209 ft.

Relative:
Higher

Actual:
9 ft.

MAINTENANCE SERVICE CENTER — CA FID UST — S101623479 / N/A
1616 FORTMANN WAY
ALAMEDA, CA 94501

Site 3 of 3 in cluster A

FID:

Facility ID:	01002810	Regulate ID:	00065219
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(415) 748-4520
Mail To:	Not reported 2263 SANTA CLARA AVE ALAMEDA, CA 94501		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

B4
East
< 1/8
339 ft.

Relative:
Lower

Actual:
6 ft.

GRAND HARBOR FUEL DOCK — UST — U003802603 / N/A
2099 GRAND STREET
ALAMEDA, CA 94501

Site 1 of 2 in cluster B

UST Alameda County:

Region :	ALAMEDA
Inspection Dt:	June 4, 2003/June 4, 2004
Owner Name :	Mark Gibson
Owner Tele :	5213835
Permit Expire Date:	May 1, 2004
Comments :	MVF 2

B5
East
< 1/8
339 ft.

Relative:
Lower

Actual:
6 ft.

GRAND MARINA — HAZNET, LUST, CHMIRS, Cortese — S101283369 / N/A
2099 GRAND ST
ALAMEDA, CA 94501

Site 2 of 2 in cluster B

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	01-0288		
Reg Board:	2		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	01000L		
Case Type:	Other ground water affected		
Status:	Case Closed		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	1992-03-20 00:00:00	Confirm Leak:	1992-03-20 00:00:00
Workplan:	1992-06-01 00:00:00	Prelim Assess:	1992-06-01 00:00:00
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1999-03-16 00:00:00		
Release Date:	Not reported		
Cleanup Fund Id :	Not reported		

GRAND MARINA (Continued) S101293369

Discover Date : Not reported
Enforcement Dt : 1993-01-19 00:00:00
Enf Type: EF
Enter Date : 1993-02-09 00:00:00
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Yes
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE,Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 3820
Beneficial: Not reported
Staff : BG
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Alameda East Bay (2-
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1999-05-17 00:00:00
Stop Date : Not reported
Work Suspended :No
Responsible Party:BLANK,RP
RP Address: Not reported
Global Id: T0600100268
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 3820
Facility Id: 01-0288
Facility Status: Case Closed
How Discovered: TC
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 3/20/1992
Prelim. Site Assesment Wkplan Submitted: Not reported
Preliminary Site Assesment Began: 6/1/1992
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

GRAND MARINA (Continued) S101293369

LUST Alameda County:
Region : ALAMEDA
Record Id : RO0000819
Status : Case Closed

HAZNET:
Gepaid: CAL000182336
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: 0.1668
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: ENCINAL MARINA LTD
Telephone: (510) 865-1200
Mailing Address: 2099 GRAND ST
ALAMEDA, CA 94501
County 1

Gepaid: CAL000182336
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: .8340
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: ENCINAL MARINA LTD
Telephone: (510) 865-1200
Mailing Address: 2099 GRAND ST
ALAMEDA, CA 94501
County 1

CORTESE:
Region: CORTESE
Fac Address 2: 2099 Grand St

CHMIRS:
OES Control Number: 03-3888
Chemical Name: Gasoline
Extent of Release: Not reported
Property Use: Not reported
Incident Date: Not reported
Date Completed: Not reported
Time Completed : Not reported
Agency Id Number : Not reported
Agency Incident Number : Not reported
OES Incident Number : 03-3888
Time Notified : Not reported
Surrounding Area : Not reported
Estimated Temperature : Not reported
Property Management : Not reported
More Than Two Substances Involved? : Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : Not reported

GRAND MARINA (Continued) S101293369

Responding Agency Personel # Of Fatalities : 0
Resp Agncy Personel # Of Decontaminated : Not reported
Others Number Of Decontaminated : Not reported
Others Number Of Injuries : Not reported
Others Number Of Fatalities : Not reported
Vehicle Make/year : Not reported
Vehicle License Number : Not reported
Vehicle State : Not reported
Vehicle Id Number : Not reported
CA/DOT/PUC/ICC Number : Not reported
Company Name : Not reported
Reporting Officer Name/ID : Not reported
Report Date : Not reported
Comments : Not reported
Facility Telephone Number : Not reported
Waterway Involved : Yes
Waterway : Oakland Alameda Estuary/ SF Bay
Spill Site : Ship/Harbor/Port
Cleanup By : Contractor
Containment : Yes
What Happened : Not reported
Type : Not reported
Other : Not reported
Chemical 1 : Not Reported
Chemical 2 : Not Reported
Chemical 3 : Not Reported
Date/Time : 8/2/200304:01:59 PM
Evacuations : 0
True date : 12/31/03
Year : 2003
Agency : NRC
BBLS : 0
Cups : 0
CUFT : 0
Gallons : 0.000000
Grams : 0
Pounds : 0
Liters : 0
Ounces : 0
Pints : 0
Quarts : 0
Sheen : 0
Tons : 0
Unknown : 0
Description : Per NRC Fax: Caller stated that there was a supply line to their fuel dock that broke, resulting in a release of gasoline into water. Remedial Actions Booms applied, Absorbents applied, System shutdown, Contractor has been hired.
Incident date : 8/2/200312:00:00 AM
Admin Agency : Alameda County Environmental Health
OES date : Not reported
OES time : Not reported
Amount : Not reported

C6 ENCINAL MARINA LUST S101306278
SSE 2051 GRAND ST Cortese N/A
< 1/8 ALAMEDA, CA 94501
393 ft.

Site 1 of 5 in cluster C

Relative:
Equal

Actual:
8 ft.

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number 01-0585
Reg Board: 2
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Other ground water affected
Status: Preliminary site assessment workplan submitted
Abate Method: No Action Taken - no action has as yet been taken at the site
Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1987-08-03 00:00:00
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim : No
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Data : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE,Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : BG
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Alameda East Bay (2-
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1990-04-04 00:00:00
Stop Date : Not reported
Work Suspended : No
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0600100518
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1

Map ID / Direction / Distance / Distance (ft.) / Elevation / Site — Database(s) — EDR ID Number / EPA ID Number

ENCINAL MARINA (Continued) — S101306278

Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 01-0565
Facility Id: 01-0565
Facility Status: Preliminary site assessment workplan submitted
How Discovered: TC
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Prelim. Site Assesment Wokplan Submitted: 6/12/1987
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

CORTESE:
Region: CORTESE
Fac Address 2: 2051 GRAND ST

C7 / **SSE** / **< 1/8** / **402 ft.** / **Relative: Equal** / **Actual: 8 ft.**

ARTESIAN OIL RECOVERY — RCRIS-SQG 1000222078 / FINDS CAD980638449
2049 GRAND ST
ALAMEDA, CA 94501

Site 2 of 5 in cluster C

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD980638449
Contact: ENVIRONMENTAL MANAGER
(415) 521-7134
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 264.10-18.B
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/30/1999
Actual Date Achieved Compliance: 12/10/1999

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/30/1999
Penalty Type: Final Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/23/2000
Penalty Type: Final Monetary Penalty

Regulation Violated: 264.10-18.B
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/30/1999
Actual Date Achieved Compliance: 12/10/1999

Enforcement Action: WRITTEN INFORMAL

Map ID / Direction / Distance / Distance (ft.) / Elevation / Site — Database(s) — EDR ID Number / EPA ID Number

ARTESIAN OIL RECOVERY (Continued) — 1000222078

Enforcement Action Date: 11/30/1999
Penalty Type: Not reported

Regulation Violated: 264.10-18.B
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/08/1996
Actual Date Achieved Compliance: 01/08/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/09/1996
Penalty Type: Not reported

Regulation Violated: 264.70-77.E
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/08/1996
Actual Date Achieved Compliance: 01/08/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/09/1996
Penalty Type: Not reported

Regulation Violated: 264.190-201.J
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/08/1996
Actual Date Achieved Compliance: 01/08/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/09/1996
Penalty Type: Not reported

Regulation Violated: 264.140-150.H
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 01/08/1996
Actual Date Achieved Compliance: 01/08/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/09/1996
Penalty Type: Not reported

Regulation Violated: 264.140-150.H
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 10/18/1995
Actual Date Achieved Compliance: 10/18/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/18/1995
Penalty Type: Not reported

Regulation Violated: 264.50-56.D
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/18/1995
Actual Date Achieved Compliance: 10/18/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/18/1995
Penalty Type: Not reported

Regulation Violated: 262.30-34.C
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/18/1995
Actual Date Achieved Compliance: 10/18/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/18/1995

ARTESIAN OIL RECOVERY (Continued) 1000222070

Penalty Type: Not reported

Regulation Violated: 264.190-201.J
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/18/1995
Actual Date Achieved Compliance: 10/18/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/18/1995
Penalty Type: Not reported

Regulation Violated: 262.10-12.A
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 04/17/1996
Actual Date Achieved Compliance: 04/17/1996

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	11/30/1999	3200	STATE

There are 11 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19991210
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19991210
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19960108
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19960108
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19960108
	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19960108
Compliance Evaluation Inspection	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19951018
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19951018
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19951018
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19951018
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19960417

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

C8 GRAND STREET TANK FARM CA SLIC S101641240
SSE 2047 GRAND ST N/A
< 1/8 ALAMEDA, CA
412 ft.

Site 3 of 5 in cluster C

Relative: Higher

Actual: 9 ft.

CA STATE SLIC:
Global Id: SLT2O00715
Region: STATE
Assigned Name: SLICSITE
Lead Agency Contact: Not reported
Lead Agency: Not reported
Lead Agency Case Number: Not reported
Responsible Party: UNKNOWN
Recent Dtw: Not reported
Substance Released: Not reported

SLIC Region 2:
Facility ID: SLT2O00715
Region: 2
Facility Status: 1

GRAND STREET TANK FARM (Continued) S101641240

Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Asmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

C9 ALAMEDA MUNI GARAGE HAZNET S101580322
SSE 2040 GRAND ST LUST N/A
< 1/8 ALAMEDA, CA 94501 Cortese
455 ft. CA FID UST

Site 4 of 5 in cluster C

Relative: Higher

Actual: 9 ft.

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 01-2341
Reg Board: 2
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency: 01000L
Case Type: Soil only
Status: Case Closed
Review Date: 1998-08-12 00:00:00 Confirm Leak: 1998-08-12 00:00:00
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2002-01-14 00:00:00
Release Date: Not reported
Cleanup Fund Id: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: 1998-08-12 00:00:00
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim: Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date: 1998-03-01 00:0
Max MTBE GW: 0 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case #: 1550
Beneficial: Not reported
Staff: BG
GW Qualifier: Not reported
Max MTBE Soil: 0 Parts per Million
Soil Qualifier: ND
Hydr Basin #: Alameda East Bay (2-

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

ALAMEDA MUNI GARAGE (Continued) S101580322

Operator : Not reported
Oversight Prgm: LUST
Review Date : 2002-01-04 00:00:00
Stop Date : Not reported
Work Suspended :No
Responsible PartyBLANK RP
RP Address: Not reported
Global Id: T0600102151
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 2
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 1550
Facility Id: 01-2341
Facility Status: Case Closed
How Discovered: TC
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 8/12/1998
Prelim. Site Assesment Wkplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

HAZNET:
Gepaid: CAL000064322
TSD EPA ID: CAD009466392
Gen County: 1
Tsd County: 7
Tons: .2500
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Contact: CITY OF ALAMEDA
Telephone: (510) 748-4520
Mailing Address: 1616 FORTMAN WAY
ALAMEDA, CA 94501 - 1274
County 1

Gepaid: CAL000064322
TSD EPA ID: CAD982446874
Gen County: 1
Tsd County: Yolo
Tons: .5003
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: CITY OF ALAMEDA
Telephone: (510) 748-4520
Mailing Address: 1616 FORTMAN WAY
ALAMEDA, CA 94501 - 1274

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

ALAMEDA MUNI GARAGE (Continued) S101580322

County 1

Gepaid: CAL000064322
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: .2126
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: CITY OF ALAMEDA
Telephone: (510) 748-4520
Mailing Address: 1616 FORTMAN WAY
ALAMEDA, CA 94501 - 1274
County 1

Gepaid: CAL000064322
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: .0959
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: CITY OF ALAMEDA
Telephone: (510) 748-4520
Mailing Address: 1616 FORTMAN WAY
ALAMEDA, CA 94501 - 1274
County 1

Gepaid: CAL000064322
TSD EPA ID: CAD059494310
Gen County: 1
Tsd County: Santa Clara
Tons: 1.2510
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Disposal, Other
Contact: CITY OF ALAMEDA
Telephone: (510) 748-4520
Mailing Address: 1616 FORTMAN WAY
ALAMEDA, CA 94501 - 1274
County 1

Click this hyperlink while viewing on your computer to access
8 additional CA HAZNET record(s) in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: 2040 GRAND ST

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

ALAMEDA MUNI GARAGE (Continued) S101580322

FID:
- Facility ID: 01002493 — Regulate ID: Not reported
- Reg By: Active Underground Storage Tank Location
- Cortese Code: Not reported — SIC Code: Not reported
- Status: Active — Facility Tel: (415) 748-4519
- Mail To: Not reported; 2263 SANTA CLARA AVE; ALAMEDA, CA 94501
- Contact: Not reported — Contact Tel: Not reported
- DUNs No: Not reported — NPDES No: Not reported
- Creation: 10/22/93 — Modified: 00/00/00
- EPA ID: Not reported
- Comments: Not reported

C10 SSE / < 1/8 / 455 ft. / Relative: Higher / Actual: 9 ft.

CITY OF ALAMEDA MUNI GARAGE LUST S105870873
2040 GRAND ST N/A
ALAMEDA, CA

Site 5 of 5 in cluster C

LUST Alameda County:
- Region: ALAMEDA
- Record Id: RO0000452
- Status: Case Closed

D11 South / < 1/8 / 600 ft. / Relative: Higher / Actual: 10 ft.

PENNZOIL PRODUCTS COMPANY HIST UST U001596153
2015 GRAND ST N/A
ALAMEDA, CA 94501

Site 1 of 7 in cluster D

UST HIST:
- Facility ID: 59885 — Owner Name: PENNZOIL PRODUCTS COMPANY
- Total Tanks: 2 — Region: STATE
- Owner Address: 2015 GRAND STREET; ALAMEDA, CA 94501
- Tank Used for: PRODUCT
- Tank Num: 1 — Container Num: 1
- Tank Capacity: 00006000 — Year Installed: 1981
- Type of Fuel: PREMIUM — Tank Construction: Not Reported
- Leak Detection: Pressure Test
- Contact Name: RON HAGAN — Telephone: (415) 522-4224
- Facility Type: Other — Other Type: MANUFACTURING & CANN

- Facility ID: 59885 — Owner Name: PENNZOIL PRODUCTS COMPANY
- Total Tanks: 2 — Region: STATE
- Owner Address: 2015 GRAND STREET; ALAMEDA, CA 94501
- Tank Used for: PRODUCT
- Tank Num: 2 — Container Num: 2
- Tank Capacity: 00008000 — Year Installed: 1952
- Type of Fuel: DIESEL — Tank Construction: Not Reported
- Leak Detection: Pressure Test
- Contact Name: RON HAGAN — Telephone: (415) 522-4224
- Facility Type: Other — Other Type: MANUFACTURING & CANN

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

D12 South / < 1/8 / 600 ft. / Relative: Higher / Actual: 10 ft.

PENNZOIL CO CERC-NFRAP 1003878337
2015 GRAND ST CAD047854344
ALAMEDA, CA 94501

Site 2 of 7 in cluster D

CERCLIS-NFRAP Classification Data:
- Site Incident Category: Not reported — Federal Facility: Not a Federal Facility
- Non NPL Code: NFRAP
- Ownership Status: Unknown — NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:
- Assessment: DISCOVERY — Completed: 12/01/1986
- Assessment: ARCHIVE SITE — Completed: 09/01/1987
- Assessment: PRELIMINARY ASSESSMENT — Completed: 09/01/1987

D13 South / < 1/8 / 600 ft. / Relative: Higher / Actual: 10 ft.

PENNZOIL PRODUCTS COMPANY RCRIS-SQG 1000323956
2015 GRAND FINDS CAD981688021
ALAMEDA, CA 94501 HAZNET
LUST
Cortese
CA SLIC
CA FID UST
CA WDS
HIST UST

Site 3 of 7 in cluster D

RCRIS:
- Owner: NOT REQUIRED; (415) 555-1212
- EPA ID: CAD981688021
- Contact: Not reported
- Classification: Small Quantity Generator
- TSDF Activities: Not reported

Violation Status: Violations exist

- Regulation Violated: Not reported
- Area of Violation: GENERATOR-OTHER REQUIREMENTS
- Date Violation Determined: 03/22/1989
- Actual Date Achieved Compliance: 05/12/1989
- Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
- Enforcement Action Date: 03/27/1989
- Penalty Type: Final Monetary Penalty
- Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
- Enforcement Action Date: 05/05/1989
- Penalty Type: Final Monetary Penalty

- Regulation Violated: Not reported
- Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
- Date Violation Determined: 03/22/1989
- Actual Date Achieved Compliance: 05/12/1989
- Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
- Enforcement Action Date: 03/27/1989
- Penalty Type: Final Monetary Penalty
- Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
- Enforcement Action Date: 05/05/1989
- Penalty Type: Final Monetary Penalty

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance

PENNZOIL PRODUCTS COMPANY (Continued) 1000323956

Compliance Evaluation Inspection GENERATOR-OTHER REQUIREMENTS 19890512
GENERATOR-MANIFEST REQUIREMENTS 19890512

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act information system
Toxics Release Inventory

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	01-1152		
Reg Board:	2		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Local Agency :	01000L		
Case Type:	Other ground water affected		
Status:	Case Closed		
Abate Method:	No Action Taken - no action has as yet been taken at the site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	1985-06-16 00:00:00	Prelim Assess:	1985-06-16 00:00:00
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1995-11-03 00:00:00		
Release Date:	Not reported		
Cleanup Fund Id :	Not reported		
Discover Date :	Not reported		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	1985-10-23 00:00:00		
Funding:	Federal Funds		
Staff Initials:	UNK		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	No		
Leak Cause:	Structure Failure		
Leak Source:	Tank		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Site NOT Tested for MTBE,Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	Not reported		
Staff :	BG		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Alameda East Bay (2-		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	1994-08-24 00:00:00		
Stop Date :	Not reported		
Work Suspended :	No		
Responsible Party	BLANK RP		
RP Address:	Not reported		
Global Id:	T0600101061		
Org Name:	Not reported		

PENNZOIL PRODUCTS COMPANY (Continued) 1000323956

Contact Person:	Not reported
MTBE Conc:	0
Mtbe Fuel:	1
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	1
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported

LUST Region 2:

Region:	2
Case Number:	01-1152
Facility Id:	01-1152
Facility Status:	Case Closed
How Discovered:	TC
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	6/16/1985
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Remediation Action Underway:	Not reported

HAZNET:

Gepaid:	CAD981688021
TSD EPA ID:	CAD043260702
Gen County:	1
Tsd County:	San Mateo
Tons:	25.4370
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Contact:	PENNZOIL PRODUCT
Telephone:	(713) 546-6639
Mailing Address:	2015 GRAND ST
	ALAMEDA, CA 94501 - 1227
County	1

Gepaid:	CAD981888021
TSD EPA ID:	CAD083166728
Gen County:	1
Tsd County:	Stanislaus
Tons:	23.9775
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Contact:	PENNZOIL PRODUCT
Telephone:	(713) 546-6639
Mailing Address:	2015 GRAND ST
	ALAMEDA, CA 94501 - 1227
County	1

PENNZOIL PRODUCTS COMPANY (Continued) 1000323956

Gepaid: CAD981688021
TSD EPA ID: CAD980887418
Gen County: 1
Tsd County: 1
Tons: 10.3416
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: PENNZOIL PRODUCT
Telephone: (713) 546-8639
Mailing Address: 2015 GRAND ST
ALAMEDA, CA 94501 - 1227
County 1

Gepaid: CAD981688021
TSD EPA ID: CAT080033681
Gen County: 1
Tsd County: Los Angeles
Tons: 2.5500
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: PENNZOIL PRODUCT
Telephone: (713) 546-8639
Mailing Address: 2015 GRAND ST
ALAMEDA, CA 94501 - 1227
County 1

Gepaid: CAC001228432
TSD EPA ID: CAD009466392
Gen County: 1
Tsd County: 7
Tons: .1800
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Contact: PENNZOIL PRODUCTS CO
Telephone: (510) 748-1349
Mailing Address: 2015 GRAND ST
ALAMEDA, CA 94501
County 1

Click this hyperlink while viewing on your computer to access
32 additional CA HAZNET record(s) in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: 2015 GRAND AVE

Region: CORTESE
Fac Address 2: Not reported

PENNZOIL PRODUCTS COMPANY (Continued) 1000323956

FID:
Facility ID: 01001269 Regulate ID: 00068418
Reg By: Inactive Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Inactive Facility Tel: (415) 522-4224
Mail To: Not reported
2015 GRAND ST
ALAMEDA, CA 94501
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

CA STATE SLIC :
Global Id : SL373281185
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : TOM BUTLER
Lead Agency : SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number : SL373281185
Responsible Party : PENNZOIL PRODUCTS CO
Recent Dtw : Not reported
Substance Released : Not reported

SLIC Region 2:
Facility ID: SL373281185
Region: 2
Facility Status: 7
Date Closed: Not reported
Local Case #: Not reported
How Discovered : Not reported
Leak Cause : Not reported
Leak Source : Not reported
Date Confirmed : Not reported
Date Prelim Site Assmnt Workplan Submitted : Not reported
Date Preliminary Site Assessment Began : Not reported
Date Pollution Characterization Began : Not reported
Date Remediation Plan Submitted : Not reported
Date Remedial Action Underway : Not reported
Date Post Remedial Action Monitoring Began : Not reported

WDS:
Facility ID: San Francisco Bay 01I013289
Facility Contact Not reported Facility Telephone Not reported
SIC Code: 0 SIC Code 2: Not reported
Agency Name: PENNZOIL PRODUCTS COMPANY
Agency Address: 0
Agency Contact: Not reported Agency Phone: Not reported
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not All rurds without a TTWQ will be considered a minor threat to water quality unless coded

PENNZOIL PRODUCTS COMPANY (Continued) 1000323956

st a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 2

UST HIST:

Facility ID: 68418 Owner Name: PENNZOIL PRODUCTS CO
Total Tanks: 4 Region: STATE
Owner Address: PENNZOIL PLACE P.O. BOX 2967
HOUSTON, TX 77252 - 2967
Tank Used for: WASTE
Tank Num: 1 Container Num: 3
Tank Capacity: 00000000 Year Installed: 1985
Type of Fuel: 5 Tank Construction: /8 1 centimeters
Leak Detection: Visual
Contact Name: ROBERT W. BLACKSHERE Telephone: (415) 522-4224
Facility Type: Other Other Type: LUBRICATION PRODUCTS

Facility ID: 68418 Owner Name: PENNZOIL PRODUCTS CO
Total Tanks: 4 Region: STATE
Owner Address: PENNZOIL PLACE P.O. BOX 2967
HOUSTON, TX 77252 - 2967
Tank Used for: PRODUCT
Tank Num: 2 Container Num: 2
Tank Capacity: 00000120 Year Installed: 1986
Type of Fuel: Not reported Tank Construction: 3/8 gauge
Leak Detection: Visual
Contact Name: ROBERT W. BLACKSHERE Telephone: (415) 522-4224
Facility Type: Other Other Type: LUBRICATION PRODUCTS

Facility ID: 68418 Owner Name: PENNZOIL PRODUCTS CO
Total Tanks: 4 Region: STATE
Owner Address: PENNZOIL PLACE P.O. BOX 2967
HOUSTON, TX 77252 - 2967
Tank Used for: WASTE
Tank Num: 3 Container Num: 4
Tank Capacity: 00000000 Year Installed: Not reported
Type of Fuel: WASTE OIL Tank Construction: 3/8 gauge
Leak Detection: Visual
Contact Name: ROBERT W. BLACKSHERE Telephone: (415) 522-4224
Facility Type: Other Other Type: LUBRICATION PRODUCTS

Facility ID: 68418 Owner Name: PENNZOIL PRODUCTS CO
Total Tanks: 4 Region: STATE
Owner Address: PENNZOIL PLACE P.O. BOX 2967
HOUSTON, TX 77252 - 2967
Tank Used for: WASTE
Tank Num: 4 Container Num: 1
Tank Capacity: 00000440 Year Installed: Not reported
Type of Fuel: WASTE OIL Tank Construction: 6 inches

PENNZOIL PRODUCTS COMPANY (Continued) 1000323956

Leak Detection: Visual
Contact Name: ROBERT W. BLACKSHERE Telephone: (415) 522-4224
Facility Type: Other Other Type: LUBRICATION PRODUCTS

D14 CHMIRS S102004176
South 2015 GRAND STREET REF N/A
< 1/8 ALAMEDA, CA 94501
600 ft.

Site 4 of 7 in cluster D

Relative: REF:
Higher
Facility ID 01290012
Actual: Dtsc Region Code : 2
10 ft. Region Code Definition : BERKELEY
County Code : 01
Site Name Under : Not reported
Current Status Date : 06081994
Current Status Code : REFRW
Current Status : PROPERTY/SITE REFERRED TO RWQCB
Lead Agency Code : Not reported
Lead Agency : N/A
Site Type Code : Not reported
Site Type : N/A
National Priorities List : Not reported
Tier : Not reported
Source Of Funding Code : Not reported
Staff Member : Not reported
Supervisor : Not reported
Sic Code : 29
Sic Code Definition : MANU - PETROLEUM & COAL PRODUCTS
Site Mitgatn & Brnfids Reuse Prog (SMBR) Code : NC
SMBR Branch : NORTH COAST
Regional Water Quality Control Board : SF
RWQCB Definition : SAN FRANCISCO BAY
Site Access Controlled : C
Listed In Haz Wst & Substncs Sites List (CORTESE): Not reported
Date Hazard Ranked : Not reported
GW Contamination Suspected : Not reported
Of Sources Contributing To Contamination : 0
Lat/Long : 0° 0' 0" / 0° 0' 0"
Direction Lat : Not reported
Direction Long : Not reported
Lat/long Method : Not reported
Entity Lat/long Coordinates Refer To : Not reported
State Assembly Distt Code : Not reported
State Senate Distt Code : Not reported
Identifying Code: HWIS
ID Value: CAD981688021
Other ID Desc: HWIS IDENTIFICATION CODE
Alternate Name(s): PENNZOIL COMPANY
PENNZOIL PRODUCTS COMPANY
Address(es): 2015 GRAND STREET
ALAMEDA, CA 94501
Background Info : Pennzoil Quaker State Company (purchased by Shell
Background Info : Lubricants in October 2002) owns and operates the site,
Background Info : which is located at the intersection of Grand Street and
Background Info : Clement, in an area zoned "light industrial" (APN# 072-0326-
Background Info : 001-19 and APN# 072-0325-001-13). The site is situated on

Map ID
Direction
Distance
Distance (ft.)
Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

(Continued) S102008176

Background Info : approximately 4.1 acres and consists of a tank farm,
Background Info : blending and packaging warehouse, and truck loading and
Background Info : maintenance areas. The company has operated a petroleum
Background Info : blending, packaging distribution center for motor oils and
Background Info : automatic transmission fluids since 1952. Five above-ground
Background Info : tanks with a total capacity of 168,000 gallons have been
Background Info : used for storing oil, since 1995.
Background Info : Not reported
Background Info : The Department of Health Services (DHS) conducted a
Background Info : RCRA Generator and Land Ban Inspection on March 22,
Background Info : 1989. At that time, the tank farm had at least 40 tanks that
Background Info : contained petroleum oil and lubricating oil additives. The
Background Info : blending area contains four blending tanks and a
Background Info : containment trench which bordered the entire room. During
Background Info : blending operations, additives are added and mixed into the
Background Info : blend stock, heated, and then prepared for packaging.
Background Info : Operations in the packaging area are fully automated and
Background Info : consist of a product container filling station, and capping and
Background Info : packaging areas. Packaged products ready for distribution,
Background Info : are then stored in the facility's warehouse.
Background Info : Not reported
Background Info : Hazardous wastes generated at the facility include automatic
Background Info : transmission fluid (ATF) that does not meet product
Background Info : specifications; waste oil/water mixture from floor scrubbings
Background Info : and product tank cleaning operations; and waste oil with
Background Info : heptane, used in the laboratory. The ATF and scrubber
Background Info : waste are stored in a 2,200 gallon tank and 1,000 gallon
Background Info : sump, respectively, prior to pick-up by a hauler. The facility
Background Info : also uses an oil/water separator located on the northeast
Background Info : portion of the property. Rainfall on the parking lot drains
Background Info : towards a catch basin and then through a 1,000 gallon
Background Info : oil/water separator prior to discharging into the storm sewer.
Background Info : The oil/water waste mixture is then removed and handled as
Background Info : a hazardous waste.
Background Info : Not reported
Background Info : DHS (Department of Health) records note that in April 1973,
Background Info : a sump for collecting oil spills "-is not maintained - allowed
Background Info : to overflow". On June 24, 1980, Mark Ransom with DHS
Background Info : inspected the plant and observed a 20x20 feet area which
Background Info : had been used as a disposal area for paint sludge and an oil
Background Info : and water mixture. The area had not been used for
Background Info : approximately eight years and the extent of the problem
Background Info : could not be determined. Other concerns noted during the
Background Info : inspection included improper disposal of sludge generated
Background Info : from a tank washing operation and a spray painting booth. A
Background Info : report prepared by Robin Brauer on August 11, 1980
Background Info : reiterated improper disposal of sludges and noted that the
Background Info : sump, used for collecting oil from spills, etc., is not
Background Info : maintained, and overflows.
Background Info : Not reported
Background Info : A Preliminary Assessment was completed by the
Background Info : Environmental Protection Agency (EPA) in December 1986.
Background Info : The PA recommended active status, low priority, including a
Background Info : site inspection with sampling of an old disposal area on-site.
Background Info : EPA's Field Investigation Team, Ecology and Environment
Background Info : recommended that the site be referred back to DHS because

Map ID
Direction
Distance
Distance (ft.)
Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

(Continued) S102008176

Background Info : the wastes on-site, oil and water-based paint sludges, are
Background Info : exempt under CERCLA.
Background Info : Not reported
Background Info : On March 22, 1989, DHS inspected the Pennzoil Plant and
Background Info : subsequently issued a Corrective Action Order for failing to
Background Info : meet reporting, manifesting and labeling requirements.
Background Info : Not reported
Background Info : On March 14, 1990, 3,000 gallons of Pennzoil Bright Stock
Background Info : spilled as a result of the Bright Stock Storage Tank being
Background Info : overfilled. Bright Stock is a hydro-finished petroleum
Background Info : lubricating oil which is insoluble in water. The oil spilled over
Background Info : the tank sides and onto a surface composed of four to six
Background Info : inches of gravel and was contained to a 1,400 square feet
Background Info : area by existing dike areas and by additional sand and rock
Background Info : berms created by plant personnel.
Background Info : Not reported
Background Info : An Alameda County inspection conducted by Larry Seto on
Background Info : September 13, 1995 noted that waste oil is generated when
Background Info : tanks are cleaned, or when minor spills occur.
Background Info : Not reported
Background Info : More recently, Alameda County Environmental Health
Background Info : conducted an inspection on March 26, 2002, and found
Background Info : Pennzoil in violation of Dispensing, Use and Mixing
Background Info : Requirements (d. keep containers closed or sealed except
Background Info : during transfer) and Hazardous Waste Requirements
Background Info : concerning proper labeling of hazardous waste containers.
Background Info : Not reported
Background Info : In January 2004, DTSC was informed by Shell Lubricants,
Background Info : who purchased Pennzoil in October 2002, that the facility is
Background Info : undergoing remediation under the direction of the Regional
Background Info : Water Quality Control Board. Petroleum releases within the
Background Info : secondary containment structures resulted in soil and
Background Info : shallow groundwater contamination. Subsequently, a "hot
Background Info : spot" removal action was conducted, which excavated
Background Info : impacted soils to below 1000 mg/kg total TPH. To date,
Background Info : Pennzoil has submitted to the RWQCB, a plan to upgrade
Background Info : their early leak detection system, in addition to a final closure
Background Info : plan. The final closure will be completed on or before
Background Info : January 31, 2005 and will consist of cleaning and closing all
Background Info : tanks and pipelines; demolition of tanks and pipelines; and
Background Info : removal of all residual contaminated soils to residential
Background Info : standards.
Facility Id : 01290012
AWP Activities Code : 0
DTSC Site Activity Code : Not reported
Activity Code Def: Not reported
AWP Activity Id : Not reported
Dt Activity Due For Completion : Not reported
Revised Due Date : Not reported
Date Activity Completed : Not reported
Est # Of Person-years To Complete : 0
Est. Size Of An Activity Code : Not reported
Site Status When Activity Commitment Made : Not reported
Status Code Definition : Not reported
Cubic Yards Of Solids Removed At Completion : 0
Gallons Of Liquid Removed Upon Completion : 0
Cubic Yards Of Solids Treated Upon Completion : 0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s) EDR ID Number EPA ID Number

S102008176

(Continued)

Actvty Deleted Via Commitmnt/Completns Screen : Not reported
Special Program Code: C104
Special Program : CERCLA 104
Comments Date : 01011978
Comments : PERMIT(OTHER) RWQCB. NPDES PERMIT. REQ SELF MONITORING FOR OIL & GREASE.
ON CORTESE LIST
T/C W/R.HAGAN,PENNZOIL,415-522-4224,3/31
/86 - SOURCE ACT: BLENDING/PACKAGING OF LUBRICATING & MOTOR OIL.YR OF OPER:1953 TO PRESENT. FAC TYPE : BEFORE 1973 ON-SITE DISP OF PAINT SLUDGE(H20 BASE),OIL.
RWQCB HAS CONTINUED TO MOINTOR.
INSPECTION(STATE) RWQCB. COMPLI MONITORING INSP.
SUBMIT TO EPA
INSPECTION(STATE) DHS/ASP. F-U INSP. NO PROBLEM.
PERMIT(OTHER) PERMIT: NPDES 402 - 0028401
INSPECTION(STATE) DHS/ASP. ON SITE DISP PROBLEM.
INSPECTED-ON SITE DISPOSAL
HAULER: IT CORP, 4575 PACHECO BLVD, MARTINEZ.
FINAL STRATEGY SITE REFERRED: TO HMMS-ENF
REPORTED FOR PROP65

CHMIRS:
OES Control Number: 97-3459
Chemical Name: road dust oil
Extent of Release: Not reported
Property Use: Not reported
Incident Date: Not reported
Date Completed: Not reported
Time Completed : Not reported
Agency Id Number : Not reported
Agency Incident Number : Not reported
OES Incident Number : 97-3459
Time Notified : Not reported
Surrounding Area : Not reported
Estimated Temperature : Not reported
Property Management : Not reported
More Than Two Substances Involved? : Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : Not reported
Responding Agency Personel # Of Fatalities : 0
Resp Agncy Personel # Of Decontaminated : Not reported
Others Number Of Decontaminated : Not reported
Others Number Of Injuries : Not reported
Others Number Of Fatalities : Not reported
Vehicle Make/year : Not reported
Vehicle License Number : Not reported
Vehicle State : Not reported
Vehicle Id Number : Not reported
CA/DOT/PUC/ICC Number : Not reported
Company Name : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s) EDR ID Number EPA ID Number

S102008176

(Continued)

Reporting Officer Name/ID : Not reported
Report Date : Not reported
Comments : Not reported
Facility Telephone Number : Not reported
Waterway Involved : No
Waterway : Not reported
Spill Site : Other
Cleanup By : Reporting Party
Containment : Yes
What Happened : Not reported
Type : Not reported
Other : Not reported
Chemical 1 : Not Reported
Chemical 2 : Not Reported
Chemical 3 : Not Reported
Date/Time : 9/4/199711:06:49 AM
Evacuations : 0
True date : 12/31/03
Year : 1997
Agency : Pensoil Products Co.
BBLS : 0
Cups : 0
CUFT : 0
Gallons : 800
Grams : 0
Pounds : 0
Liters : 0
Ounces : 0
Pints : 0
Quarts : 0
Sheen : 0
Tons : 0
Unknown : 0
Description : A leak in a storage tank began yesterday & noticed this morning. The leak has been stopped. Release to asphalt only.
Incident date : 9/4/199712:00:00 AM
Admin Agency : Not reported
OES date : Not reported
OES time : Not reported
Amount : Not reported
OES Control Number: 00-3890
Chemical Name: penz suppress
Extent of Release: Not reported
Property Use: Not reported
Incident Date: Not reported
Date Completed: Not reported
Time Completed : Not reported
Agency Id Number : Not reported
Agency Incident Number : Not reported
OES Incident Number : 00-3890
Time Notified : Not reported
Surrounding Area : Not reported
Estimated Temperature : Not reported
Property Management : Not reported
More Than Two Substances Involved? : Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported

(Continued) S102009176

Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	No
Waterway :	Not reported
Spill Site :	Other
Cleanup By :	Contractor
Containment :	Yes
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	8/29/200009:31:23 AM
Evacuations :	0
True date :	12/31/03
Year :	2000
Agency :	Pennzoil
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	99
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0
Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	It is a road dust suppresser. Storage tank developed a small leak. The release was contained to the containment field at the tank farm.
Incident date :	8/28/200012:00:00 AM
Admin Agency :	Alameda County Environmental Health
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

D15 BUREAU OF ELECTRICITY CA FID UST S101623474
South 2000 GRAND ST N/A
1/8-1/4 ALAMEDA, CA 94501
691 ft.

Site 5 of 7 in cluster D

Relative:
Higher

Actual:
11 ft.

FID:

Facility ID:	01002195	Regulate ID:	00046259
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	(415) 522-7411
Mail To:	Not reported P O DRAWER ALAMEDA, CA 94501		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

D16 CITY OF ALAMEDA BUREAU OF ELECTRICITY RCRIS-SQG 1000440555
South 2000 GRAND ST FINDS CAD982506844
1/8-1/4 ALAMEDA, CA 94501 HAZNET
691 ft. FTTS INSP

Site 6 of 7 in cluster D

Relative:
Higher

Actual:
11 ft.

FTTS Insp:

Region:	9
Inspected Date:	08/17/1994
Insp Number:	199406177242 1
Violation occurred:	No
Inspector:	RPETERSON
Investigation Type:	Section 6 PCB Federal Conducted
Facility Function:	User
Investig Reason:	Not reported
Legislation Code:	TSCA

Region:	9
Inspected Date:	03/21/1996
Insp Number:	19960321T01CA 1
Violation occurred:	No
Inspector:	MCOERS
Investigation Type:	Section 6 PCB State Conducted
Facility Function:	User
Investig Reason:	Not reported
Legislation Code:	TSCA

RCRIS:

Owner:	CITY OF ALAMEDA BUREAU OF ELECTRICITY (415) 555-1212
EPA ID:	CAD982506844
Contact:	ENVIRONMENTAL MANAGER (415) 748-3970
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

CITY OF ALAMEDA BUREAU OF ELECTRICITY (Continued) 1000440555

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Compliance Data Base
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD982506644
TSD EPA ID: AZD982465866
Gen County: 1
Tsd County: 99
Tons: 5.5044
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Recycler
Contact: CITY OF ALAMEDA BUREAU OF ELEC
Telephone: (000) 000-0000
Mailing Address: PO BOX H
ALAMEDA, CA 94501 - 0263
County 1

Gepaid: CAD982506644
TSD EPA ID: AZD982465866
Gen County: 1
Tsd County: 99
Tons: 6.1789
Waste Category:
Disposal Method: Recycler
Contact: CITY OF ALAMEDA BUREAU OF ELEC
Telephone: (000) 000-0000
Mailing Address: PO BOX H
ALAMEDA, CA 94501 - 0263
County 1

Gepaid: CAD982506644
TSD EPA ID: AZD982465866
Gen County: 1
Tsd County: 99
Tons: 1.2529
Waste Category:
Disposal Method: Treatment, Incineration
Contact: CITY OF ALAMEDA BUREAU OF ELEC
Telephone: (000) 000-0000
Mailing Address: PO BOX H
ALAMEDA, CA 94501 - 0263
County 1

Gepaid: CAD982506644
TSD EPA ID: AZD982465866
Gen County: 1
Tsd County: 99
Tons: 3.4700
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Not reported
Contact: CITY OF ALAMEDA BUREAU OF ELEC
Telephone: (000) 000-0000
Mailing Address: PO BOX H
ALAMEDA, CA 94501 - 0263
County 1

CITY OF ALAMEDA BUREAU OF ELECTRICITY (Continued) 1000440555

Gepaid: CAD982506644
TSD EPA ID: AZD982465866
Gen County: 1
Tsd County: 99
Tons: 3.4700
Waste Category:
Disposal Method: Recycler
Contact: CITY OF ALAMEDA BUREAU OF ELEC
Telephone: (000) 000-0000
Mailing Address: PO BOX H
ALAMEDA, CA 94501 - 0263
County 1

Click this hyperlink while viewing on your computer to access
34 additional CA HAZNET record(s) in the EDR Site Report.

D17
South
1/8-1/4
691 ft.

Relative:
Higher

Actual:
11 ft.

BUREAU OF ELECTRICITY
2000 GRAND ST
ALAMEDA, CA 94501

HIST UST U001596134
N/A

Site 7 of 7 in cluster D

UST HIST:
Facility ID: 46259
Total Tanks: 3
Owner Address: P.O. DRAWER H
ALAMEDA, CA 94501
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00001000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: DEPARTMENT OF PUBLIC UTILITIES
Region: STATE

Container Num: 1
Year Installed: 1976
Tank Construction: 10 gauge

Telephone: (415) 522-7411
Other Type: DEPT. OF PUBLIC UTIL

Facility ID: 46259
Total Tanks: 3
Owner Address: P.O. DRAWER H
ALAMEDA, CA 94501
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00001000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: DEPARTMENT OF PUBLIC UTILITIES
Region: STATE

Container Num: 2
Year Installed: 1976
Tank Construction: 10 gauge

Telephone: (415) 522-7411
Other Type: DEPT. OF PUBLIC UTIL

Facility ID: 46259
Total Tanks: 3
Owner Address: P.O. DRAWER H
ALAMEDA, CA 94501
Tank Used for: WASTE
Tank Num: 3
Tank Capacity: 00001000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: DEPARTMENT OF PUBLIC UTILITIES
Region: STATE

Container Num: 3
Year Installed: 1976
Tank Construction: 10 gauge

Telephone: (415) 522-7411
Other Type: DEPT. OF PUBLIC UTIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s) EDR ID Number EPA ID Number

E18
SSE
1/8-1/4
1178 ft.

ALAMEDA MARINA
1815 CLEMENT AVE
ALAMEDA, CA 94501

CA FID UST S101580321
N/A

Relative:
Higher

Actual:
12 ft.

Site 1 of 5 in cluster E

FID:
Facility ID: 01002492
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported
Status: Active
Mail To: Not reported
1815 CLEMENT AVE
ALAMEDA, CA 94501
Contact: Not reported
DUNs No: Not reported
Creation: 10/22/93
EPA ID: Not reported
Comments: Not reported
Regulate ID: Not reported
SIC Code: Not reported
Facility Tel: (415) 521-1133
Contact Tel: Not reported
NPDES No: Not reported
Modified: 00/00/00

E19
SSE
1/8-1/4
1178 ft.

PACIFIC SHOPS, INC.
1815 CLEMENT AVENUE
ALAMEDA, CA 94501

UST U003911680
N/A

Relative:
Higher

Actual:
12 ft.

Site 2 of 5 in cluster E

UST Alameda County:
Region : ALAMEDA
Inspection Dt: May 20, 2003/May 24, 2004
Owner Name : Pacific Shops, Inc., Wayne Milani
Owner Tele : 5211133
Permit Expire Date: August 1, 2005
Comments : MVF 1

E20
SSE
1/8-1/4
1178 ft.

PACIFIC SHOPS INC
1815 CLEMENT AVE
ALAMEDA, CA 94501

LUST S105688715
N/A

Relative:
Higher

Actual:
12 ft.

Site 3 of 5 in cluster E

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number: 01-2484
Reg Board: 2
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: 1999-07-28 00:00:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1999-09-22 00:00:00
Release Date: Not reported
Cleanup Fund Id : Not reported
Confirm Leak: 1999-07-28 00:00:00
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s) EDR ID Number EPA ID Number

S105688715

PACIFIC SHOPS INC (Continued)

Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1999-09-15 00:00:00
Funding: Not reported
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 1999-07-15 00:0
Max MTBE GW : 27 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 3830
Beneficial: Not reported
Staff : BG
GW Qualifier : Not reported
Max MTBE Soil : 1 Parts per Million
Soil Qualifier : <
Hydr Basin #: Alameda East Bay (2-
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1999-10-20 00:00:00
Stop Date : Not reported
Work Suspended : No
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0600102289
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 2
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Discharge Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 3830
Facility Id: 01-2484
Facility Status: Case Closed
How Discovered: TC
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 7/28/1999
Prelim. Site Assesment Wrkplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

PACIFIC SHOPS INC (Continued) S105683715

LUST Alameda County:
Region: ALAMEDA
Record Id: RO0000848
Status: Case Closed

E21 KEM MIL CO, DIVISION OF GRAPHIC SERVICES CA SLIC S102008205
SSE 1829 CLEMENT AVENUE REF N/A
1/8-1/4 ALAMEDA, CA 94501
1244 ft.

Site 4 of 5 in cluster E

Relative: Higher

Actual: 13 ft.

REF:
Facility ID: 01350100
Dtsc Region Code: 2
Region Code Definition: BERKELEY
County Code: 01
Site Name Under: Not reported
Current Status Date: 06271994
Current Status Code: REFOA
Current Status: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Lead Agency Code: Not reported
Lead Agency: N/A
Site Type Code: Not reported
Site Type: N/A
National Priorities List: Not reported
Tier: Not reported
Source Of Funding Code: Not reported
Staff Member: Not reported
Supervisor: Not reported
Sic Code: 35
Sic Code Definition: MANU - INDUSTRIAL MACHINERY & EQUIPMENT
Site Mitigatn & Brnfds Reuse Prog (SMBR) Code: NC
SMBR Branch: NORTH COAST
Regional Water Quality Control Board: SF
RWQCB Definition: SAN FRANCISCO BAY
Site Access Controlled: C
Listed In Haz Wst & Substncs Sites List (CORTESE): Not reported
Date Hazard Ranked: Not reported
GW Contamination Suspected: Not reported
Of Sources Contributing To Contamination: 0
Lat/Long: 0° 0' 0" / 0° 0' 0"
Direction Lat: Not reported
Direction Long: Not reported
Lat/long Method: Not reported
Entity Lat/long Coordinates Refer To: Not reported
State Assembly Distt Code: Not reported
State Senate Distt Code: Not reported
Identifying Code: Not reported
ID Value: Not reported
Other ID Desc: Not reported
Alternate Name(s): KEM MIL CO, DIVISION OF GRAPHIC SERVICES
GRAPHIC SERVICES (KEM MIL DIVISION)
Address(es): 1829 CLEMENT AVENUE
ALAMEDA, CA 94501
Background Info: Not reported
Facility Id: 01350100
AWP Activities Code: 1
DTSC Site Activity Code: SS

KEM MIL CO, DIVISION OF GRAPHIC SERVICES (Continued) S102008205

Activity Code Def: Not reported
AWP Activity Id: Not reported
Dt Activity Due For Completion: Not reported
Revised Due Date: Not reported
Date Activity Completed: 05021990
Est # Of Person-years To Complete: 0
Est. Size Of An Activity Code: Not reported
Site Status When Activity Commitment Made: REFOA
Status Code Definition: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Cubic Yards Of Solids Removed At Completion: 0
Gallons Of Liquid Removed Upon Completion: 0
Cubic Yards Of Solids Treated Upon Completion: 0
Actvty Deleted Via Commitmnt/Completns Screen: Not reported
Facility Id: 01350100
AWP Activities Code: 2
DTSC Site Activity Code: PEA
Activity Code Def: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Activity Id: Not reported
Dt Activity Due For Completion: Not reported
Revised Due Date: Not reported
Date Activity Completed: 07011991
Est # Of Person-years To Complete: 0
Est. Size Of An Activity Code: Not reported
Site Status When Activity Commitment Made: REFOA
Status Code Definition: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Cubic Yards Of Solids Removed At Completion: 0
Gallons Of Liquid Removed Upon Completion: 0
Cubic Yards Of Solids Treated Upon Completion: 0
Actvty Deleted Via Commitmnt/Completns Screen: Not reported
Special Program Code: Not reported
Special Program: Not reported
Comments Date: 05021990
Comments: Records Search: Alameda County made a routine inspection & noted plating wastewater had been illegally disposed-of on-site. Contaminants include high levels of cyanide & metals. The site is very close to the bay.
Site Screening Done: Alameda County issued a letter to the Responsible Party to assess extent of contamination. DHS recommends Preliminary Endangerment Assessment (med). Questionnaire received; no problem based on questionnaire. Site hazard ranked with score of 5.08. From 1967 to 1986 the site was used as a photochemical machining shop. It was operated by the Kem Mil Company as a photodeveloping and etching facility from 1986 to March 1990. They produced small photo-reduced electronic parts using batch chemical processes. An inspection conducted by the Alameda County Health Services Dept in October 1988 indicated numerous violations including overflow to sewer, lack of permit and proper containment, etc. Spills of heavy metal-containing liquids as well as acids and bases have been documented. County has oversight.

CA STATE SLIC:
Global Id: SLT2O00414
Region: STATE
Assigned Name: SLICSITE
Lead Agency Contact: Not reported
Lead Agency: Not reported

KEM MIL CO, DIVISION OF GRAPHIC SERVICES (Continued) S102008205

Lead Agency Case Number : Not reported
Responsible Party : UNKNOWN
Recent Dtw : Not reported
Substance Released : Not reported

SLIC Region 2:
Facility ID: 01S0142
Region: 2
Facility Status: 1
Date Closed: Not reported
Local Case #: Not reported
How Discovered : Not reported
Leak Cause : Not reported
Leak Source : Not reported
Date Confirmed : Not reported
Date Prelim Site Assmnt Workplan Submitted : Not reported
Date Preliminary Site Assessment Began : Not reported
Date Pollution Characterization Began : Not reported
Date Remediation Plan Submitted : Not reported
Date Remedial Action Underway : Not reported
Date Post Remedial Action Monitoring Began : Not reported

E22
SSE
1/8-1/4
1244 ft.

Relative:
Higher

Actual:
13 ft.

KEM-MIL-CO RCRIS-SQG 1000139388
1829-A CLEMENT FINDS CAD057501652
ALAMEDA, CA 94501

Site 5 of 5 in cluster E

RCRIS:
Owner: GRAPHIC SERVICES INC
(415) 555-1212
EPA ID: CAD057501652

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

F23
SSW
1/8-1/4
1318 ft.

Relative:
Higher

Actual:
14 ft.

WEYERHAEUSER CO CA FID UST S106027278
1801 HUBBARD ST N/A
ALAMEDA, CA 94501

Site 1 of 4 in cluster F

WEYERHAEUSER CO (Continued) S106027278

FID:
Facility ID: 01002494 Regulate ID: SID16231
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: (415) 523-0121
Mail To: Not reported
1015 A ST
ALAMEDA, CA 94501
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

F24
SSW
1/8-1/4
1318 ft.

Relative:
Higher

Actual:
14 ft.

WEYERHAEUSER CO LUST U001596169
1801 HIBBARD ST HIST UST N/A
ALAMEDA, CA 94501

Site 2 of 4 in cluster F

LUST Alameda County:
Region : ALAMEDA
Record Id : RO0002502
Status : Case Closed

UST HIST:
Facility ID: 16231 Owner Name: WEYERHAEUSER CO
Total Tanks: 5 Region: STATE
Owner Address: 1015A STREET
TACOMA, WA 98401
Tank Used for: WASTE
Tank Num: 1 Container Num: 2
Tank Capacity: 00001000 Year Installed: Not reported
Type of Fuel: WASTE OIL Tank Construction: Not Reported
Leak Detection: Visual
Contact Name: JOHN FOX Telephone: (415) 523-6121
Facility Type: Other Other Type: MANUFACTURING

Facility ID: 16231 Owner Name: WEYERHAEUSER CO
Total Tanks: 5 Region: STATE
Owner Address: 1015A STREET
TACOMA, WA 98401
Tank Used for: PRODUCT
Tank Num: 2 Container Num: 3
Tank Capacity: 00001000 Year Installed: Not reported
Type of Fuel: REGULAR Tank Construction: Not Reported
Leak Detection: None
Contact Name: JOHN FOX Telephone: (415) 523-6121
Facility Type: Other Other Type: MANUFACTURING

Facility ID: 16231 Owner Name: WEYERHAEUSER CO
Total Tanks: 5 Region: STATE
Owner Address: 1015A STREET
TACOMA, WA 98401
Tank Used for: PRODUCT
Tank Num: 3 Container Num: 4
Tank Capacity: 00001000 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: None

WEYERHAEUSER CO (Continued) U001596169

Contact Name: JOHN FOX
Facility Type: Other
Telephone: (415) 523-6121
Other Type: MANUFACTURING

Facility ID: 16231
Total Tanks: 5
Owner Address: 1015A STREET
TACOMA, WA 98401
Owner Name: WEYERHAEUSER CO
Region: STATE

Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00010000
Type of Fuel: DIESEL
Leak Detection: Visual
Contact Name: JOHN FOX
Facility Type: Other
Container Num: 5
Year Installed: Not reported
Tank Construction: Not Reported
Telephone: (415) 523-6121
Other Type: MANUFACTURING

Facility ID: 16231
Total Tanks: 5
Owner Address: 1015A STREET
TACOMA, WA 98401
Owner Name: WEYERHAEUSER CO
Region: STATE

Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00020000
Type of Fuel: DIESEL
Leak Detection: Stock Inventor
Contact Name: JOHN FOX
Facility Type: Other
Container Num: 1
Year Installed: 1978
Tank Construction: Not Reported
Telephone: (415) 523-6121
Other Type: MANUFACTURING

Facility ID: 8476
Total Tanks: 1
Owner Address: FREDERAL WAY
TACOMA, WA 98003
Owner Name: WEYERHAEUSER CO.
Region: STATE

Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: None
Contact Name: JOHN FOX
Facility Type: Other
Container Num: 6
Year Installed: 1947
Tank Construction: 8 Inches
Telephone: (415) 523-6121
Other Type: MANUFACTURING PLANT

F25
SSW
1/8-1/4
1318 ft.

WEYERHAEUSER PAPER COMPAN
1801 HIBBARD
ALAMEDA, CA 94501

Cortese S101623487
N/A

Relative:
Higher

Actual:
14 ft.

Site 3 of 4 in cluster F

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

Region: CORTESE
Fac Address 2: Not reported

F26
SSW
1/8-1/4
1318 ft.

WEYERHAEUSER PAPER COMPANY
1801 HIBBARD ST
ALAMEDA, CA 94501

LUST 1002851972
N/A

Relative:
Higher

Actual:
14 ft.

Site 4 of 4 in cluster F

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number 01-0734
Reg Board: 2
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: Not reported
Confirm Leak: Not reported
Workplan: 1992-09-24 00:00:00
Prelim Assess: 1992-09-24 00:00:00
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1999-12-03 00:00:00
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : 1992-03-30 00:00:00
Enf Type: EF
Enter Date : 1992-10-06 00:00:00
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 1202
Beneficial: Not reported
Staff : BG
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Alameda East Bay (2-
Operator : Not reported
Oversight Prgm: LUST
Review Date : 2000-01-13 00:00:00
Stop Date : Not reported
Work Suspended : No
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0600100677
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0

WEYERHAEUSER PAPER COMPANY (Continued) 1002851972

Mbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Discharge Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 1202
Facility Id: 01-0734
Facility Status: Case Closed
How Discovered: TC
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: Not reported
Prelim. Site Assesment Workplan Submitted: Not reported
Preliminary Site Assesment Began: 9/24/1992
Pollution Characterization Began: 10/8/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

LUST Alameda County:
Region: ALAMEDA
Record Id: RO0000587
Status: Case Closed

27
SE
1/4-1/2
1336 ft.

Relative:
Higher

Actual:
14 ft.

PACIFIC SHOPS INC
1851 CLEMENT AVE
ALAMEDA, CA 94501

HAZNET S103637760
Cortese N/A
CA WDS

HAZNET:
Gepaid: CAL000004409
TSD EPA ID: CAT000613893
Gen County: 1
Tsd County: Los Angeles
Tons: .0020
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Contact: SVEND SVENDSEN
Telephone: (000) 000-0000
Mailing Address: 1851 CLEMENT AVE
ALAMEDA, CA 94501
County 1

Gepaid: CAL000004409
TSD EPA ID: CAT000613893
Gen County: 1
Tsd County: Los Angeles
Tons: .0050
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: SVEND SVENDSEN
Telephone: (000) 000-0000
Mailing Address: 1851 CLEMENT AVE
ALAMEDA, CA 94501
County 1

PACIFIC SHOPS INC (Continued) S103637760

Gepaid: CAL000004409
TSD EPA ID: CAT000613950
Gen County: 1
Tsd County: Sacramento
Tons: .0080
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: SVEND SVENDSEN
Telephone: (000) 000-0000
Mailing Address: 1851 CLEMENT AVE
ALAMEDA, CA 94501
County 1

Gepaid: CAL000004409
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: .1080
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: SVEND SVENDSEN
Telephone: (000) 000-0000
Mailing Address: 1851 CLEMENT AVE
ALAMEDA, CA 94501
County 1

Gepaid: CAL000004409
TSD EPA ID: CA1822955281
Gen County: 1
Tsd County: Santa Clara
Tons: .0500
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Not reported
Contact: SVEND SVENDSEN
Telephone: (000) 000-0000
Mailing Address: 1851 CLEMENT AVE
ALAMEDA, CA 94501
County 1

Click this hyperlink while viewing on your computer to access
26 additional CA HAZNET record(s) in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: 1851 CLEMENT AVE

WDS:
Facility ID: San Francisco Bay 01I014529
Facility Contact: Not reported
Facility Telephone: Not reported
SIC Code: 0
SIC Code 2: Not reported
Agency Name: SVENDSEN'S BOATWORKS
Agency Address: 0
Agency Contact: Not reported
Agency Phone: Not reported
Design Flow: 0 Million Gal/Day
Baseline Flow: 0 Million Gal/Day
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Not reported

PACIFIC SHOPS INC (Continued) S103637760

Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 2

28
SSW
1/4-1/2
1358 ft.

WHITMORE AUTO SERVICE
1701 BUENA VISTA AVE
ALAMEDA, CA 94501

HAZNET S101623488
LUST N/A
CA FID UST

Relative:
Higher

Actual:
16 ft.

State LUST:
Cross Street: GRAND AVE
Qty Leaked: Not reported
Case Number Not reported
Reg Board: 2
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Undefined
Status: Not reported
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE,Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : BG
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

WHITMORE AUTO SERVICE (Continued) S101623488

Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party: LOUIS WHITMORE
RP Address: 1701 BUENA VISTA AVE
Global Id: T0600191068
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: RO0002450
Facility Id: Not reported
Facility Status: Not reported
How Discovered: TC
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

LUST Alameda County:
Region : ALAMEDA
Record Id : RO0002450
Status : Leak being confirmed

HAZNET:
Gepaid: CAL000107029
TSD EPA ID: Not reported
Gen County: Alameda
Tsd County: Contra Costa
Tons: 6.02
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Contact: LOUIS WHITMORE_(OWNER)
Telephone: (510) 522-3388
Mailing Address: 1701 BUENA VISTA AVE
ALAMEDA, CA 94501 - 1202
County Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

WHITMORE AUTO SERVICE (Continued) — S101623488

FID:

Facility ID:	01002733	Regulate ID:	00052513
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported 1701 BUENA VISTA ALAMEDA, CA 94501		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

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29 West 1/4-1/2 1650 ft.
Relative: Equal
Actual: 8 ft.

METROPOLITAN CA STEVEDORE — HAZNET S101623475
1521 BUENA VISTA — LUST N/A
ALAMEDA, CA 94501 — Cortese
CA SLIC
CA FID UST

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number:	01-1777		
Reg Board:	2		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency:	01000L		
Case Type:	Undefined		
Status:	Case Closed		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1996-02-06 00:00:00		
Release Date:	Not reported		
Cleanup Fund Id:	Not reported		
Discover Date:	Not reported		
Enforcement Dt:	Not reported		
Enf Type:	Not reported		
Enter Date:	1993-06-15 00:00:00		
Funding:	Federal Funds		
Staff Initials:	UNK		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim:	Yes		
Leak Cause:	UNK		
Leak Source:	UNK		
MTBE Date:	Not reported		
Max MTBE GW:	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case #:	3522		
Beneficial:	Not reported		
Staff:	BG		

Map ID
Direction
Distance
Distance (ft.)
Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

METROPOLITAN CA STEVEDORE (Continued) — S101623475

GW Qualifier:	Not reported
Max MTBE Soil:	Not reported
Soil Qualifier:	Not reported
Hydr Basin #:	Alameda East Bay (2-
Operator:	Not reported
Oversight Prgm:	LUST
Review Date:	1996-08-07 00:00:00
Stop Date:	Not reported
Work Suspended:	No
Responsible Party:	BLANK RP
RP Address:	Not reported
Global Id:	T0600101645
Org Name:	Not reported
Contact Person:	Not reported
MTBE Conc:	0
Mtbe Fuel:	0
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported

LUST Region 2:

Region:	2
Case Number:	3522
Facility Id:	01-1777
Facility Status:	Case Closed
How Discovered:	TC
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Prelim. Site Assesment Workplan Submitted:	2/1/1993
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Remediation Action Underway:	Not reported

LUST Alameda County:

Region:	ALAMEDA
Record Id:	RO0000618
Status:	Case Closed

HAZNET:

Gepaid:	CAC000885368
TSD EPA ID:	CAL000027741
Gen County:	1
Tsd County:	5
Tons:	.5056
Waste Category:	Asbestos-containing waste
Disposal Method:	Disposal, Land Fill
Contact:	ENCINAL TERMINALS
Telephone:	(000) 000-0000
Mailing Address:	1521 BUENA VISTA AVE ALAMEDA, CA 94501
County	1

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s) EDR ID Number EPA ID Number

METROPOLITAN CA STEVEDORE (Continued) S101623475

Gepaid: CAC001041952
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 21.2503
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: PETER WON
Telephone: (000) 000-0000
Mailing Address: 1521 BUENA VISTA AVE
ALAMEDA, CA 94501 - 1279
County 1

Gepaid: CAC001041952
TSD EPA ID: CAT000646117
Gen County: 1
Tsd County: Kings
Tons: 166.8000
Waste Category: Unspecified sludge waste
Disposal Method: Treatment, Tank
Contact: PETER WON
Telephone: (000) 000-0000
Mailing Address: 1521 BUENA VISTA AVE
ALAMEDA, CA 94501 - 1279
County 1

Gepaid: CAC000715464
TSD EPA ID: CAD009466392
Gen County: 1
Tsd County: 7
Tons: 1.5000
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Contact: ALAMEDA COUNTY
Telephone: (000) 000-0000
Mailing Address: P O BOX 2453
ALAMEDA, CA 94501
County 1

Gepaid: CAC000715464
TSD EPA ID: CAD083166728
Gen County: 1
Tsd County: Stanislaus
Tons: 3.2109
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Contact: ALAMEDA COUNTY
Telephone: (000) 000-0000
Mailing Address: P O BOX 2453
ALAMEDA, CA 94501
County 1

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET record(s) in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

Database(s) EDR ID Number EPA ID Number

METROPOLITAN CA STEVEDORE (Continued) S101623475

FID:
Facility ID: 01001090 Regulate ID: 00036109
Reg By: Inactive Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Inactive Facility Tel: (415) 523-1311
Mail To: Not reported
1195 MARITIME ST
ALAMEDA, CA 94501
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

CA STATE SLIC :
Global Id : SL20276894
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : Not reported
Lead Agency : Not reported
Lead Agency Case Number : Not reported
Responsible Party : ENCINAL TERMINALS
Recent Dtw : Not reported
Substance Released : Not reported

SLIC Region 2:
Facility ID: SL20276894
Region: 2
Facility Status: Not reported
Date Closed: Not reported
Local Case #: Not reported
How Discovered : Not reported
Leak Cause : Not reported
Leak Source : Not reported
Date Confirmed : Not reported
Date Prelim Site Assmnt Workplan Submitted : Not reported
Date Preliminary Site Assessment Began : Not reported
Date Pollution Characterization Began : Not reported
Date Remediation Plan Submitted : Not reported
Date Remedial Action Underway : Not reported
Date Post Remedial Action Monitoring Began : Not reported

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30 **WESTLINE INDUSTRIES** LUST U003859524
SSE **1925 LAFAYETTE ST** Cortese N/A
1/4-1/2 **ALAMEDA, CA 94501**
1680 ft.

Relative: Higher

Actual: 17 ft.

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number 01-2021
Reg Board: 2
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

WESTLINE INDUSTRIES (Continued) U003859524

Review Date: 1995-01-02 00:00:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1995-05-05 00:00:00
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1995-02-06 00:00:00
Funding: Federal Funds
Staff Initials: UNK
How Discovered: OM
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE,Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 629
Beneficial: Not reported
Staff : BG
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Alameda East Bay (2-
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1995-06-20 00:00:00
Stop Date : Not reported
Work Suspended :No
Responsible Party:BLANK RP
RP Address: Not reported
Global Id: T0600101867
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Discharge Assigned Name: Not reported

Confirm Leak: 1995-01-02 00:00:00
Prelim Assess: Not reported
Remed Plan: Not reported

LUST Region 2:

Region:	2
Case Number:	629
Facility Id:	01-2021
Facility Status:	Case Closed
How Discovered:	OM
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	1/2/1995
Prelim. Site Assesment Workplan Submitted:	Not reported

WESTLINE INDUSTRIES (Continued) U003859524

Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

LUST Alameda County:
Region : ALAMEDA
Record Id : RO0000633
Status : Case Closed

CORTESE:
Region: CORTESE
Fac Address 2: 1925 Lafayette St

31 ALAMEDA FIRE STATION #3 Cortese S101630259
SSW 1703 GRAND ST CA FID UST N/A
1/4-1/2 ALAMEDA, CA
1702 ft.

Relative: Higher

Actual: 21 ft.

CORTESE:
Region: CORTESE
Fac Address 2: 1703 GRAND ST

FID:
Facility ID: 01000165
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported
Status: Active
Mail To: Not reported
2263 SANTA CLARA AVE
ALAMEDA, CA 94501
Contact: Not reported
DUNs No: Not reported
Creation: 10/22/93
EPA ID: Not reported
Comments: Not reported

Regulate ID: 00063458
SIC Code: Not reported
Facility Tel: (415) 748-4500
Contact Tel: Not reported
NPDES No: Not reported
Modified: 00/00/00

32 CARGILL SALT LUST S106410345
SE 2016 CLEMENT AVE N/A
1/4-1/2 ALAMEDA, CA
1996 ft.

Relative: Higher

Actual: 14 ft.

LUST Alameda County:
Region : ALAMEDA
Record Id : RO0002480
Status : Not reported

33 NIR REPAIR OAKLAND FUDS 1007211917
NNW N/A
1/2-1 OAKLAND, CA
2763 ft.

Relative: Lower

Actual: 0 ft.

NIR REPAIR OAKLAND (Continued) 1007211917

FUDS:
Federal Facility ID: CA9799F5960
Facility Name: NIR REPAIR OAKLAND
City: OAKLAND
State: CA
EPA Region: 9
County: ALAMEDA
Congressional District: 09
US Army District: Sacramento District (SPK)
Fiscal Year: 2003
First Name: GERALD
Last name: VINCENT
Phone: 916-557-7461
Inst ID: 61354
CTC: Not reported
RAB: Not reported

34
East
1/2-1
3002 ft.

PORT OF OAKLAND - EMBARCADERO COVE
DENNISON AND EMBARCADERO STREET
OAKLAND, CA 94606

Cal-Sites S100833252
Cortese N/A
CA BOND EXP. PLAN

Relative:
Higher

Actual:
9 ft.

BEP:
Site Description : The site is located on Embarcadero Street at the foot of Dennison Street in Oakland. For 60 to 70 years, the 1.3 acre site was leased to industrial tenants, including oil companies and formulators of pesticides and wood preservatives. It is now a vacant lot.
Hazardous Waste Desc : Pentachlorophenol (PCP), organochlorine pesticides and solvents have been discovered in soil and ground water at this site. About 8,000 cubic yards of soil and an unknown amount of ground water is contaminated. Dioxins and furans, impurities of PCP,have been found in low levels in soil and ground water.
Threat To Public Health & Env : Residential, industrial, commercial, recreational and military areas are adjacent to the site. The population within a three-mile radius is estimated at 215,331 persons. PCP was not detected in shoreline sediment samples or at the box culvert outletin the Bay at Dennison Street. The closest domestic well is about three-quarters of a mile away.
Site Activity Status : The final phase of remedial investigation is being conducted. Upon completion of that work, the feasibility study and RAP will be prepared.
Project Revenue Source Co. : Not Reported
PRS Company Address : Not reported
Not reported
Project Revenue Source Desc : The Port of Oakland owns the site and is in compliance with an order issued by DHS. Monsanto Company has also been identified as a potentially responsible party by DHS. DHS has budgeted $50,000 for oversight/monitoring of cleanup efforts. DHS will recover 100 percent of direct costs plus staff costs and overhead related to the project. The responsible parties will pay all costs associated with remedial investigations and cleanup activities.
Responsible Party : RESPONSIBLE PARTY-LEAD SITE CLEANUP WORKPLAN

CAL-SITES:
Facility ID 01510021
Status: COM - CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES IMPLEMENTEDREMEDIATION CONTINUES
Status Date: 03/28/1997
Lead: DTSC
Region: 2 - BERKELEY
Branch: NC - NORTH COAST
File Name: Not reported

PORT OF OAKLAND - EMBARCADERO COVE (Continued) S100833252

Status Name: CERTIFIED / OPERATION & MAINTENANCE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
NPL: Not Listed
SIC: 51 WHOLESALE TRADE - NONDURABLE GOODS
Facility Type: RP
Type Name: RESPONSIBLE PARTY
Staff Member Responsible for Site: JRANDENI
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF - SAN FRANCISCO BAY
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
No. of Contamination Sources: 1
Lat/Long: Not reported
Lat/long Method: Not reported
State Assembly District Code: 16
State Senate District: 09

Click this hyperlink while viewing on your computer to access additional CAL-SITES detail in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

35
North
1/2-1
3273 ft.

C OWLEY MA ITIME CO P.
PAC. DRY DOCK REPAIR YARD
OAKLAND, CA 92626

Notify 65 S100179677
N/A

Relative:
Lower

Actual:
0 ft.

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

36
North
1/2-1
3333 ft.

C OWLEY MA ITIME CO PO ATION
PAC. DRY DOCKS, YARDS 1 / 2
OAKLAND, CA 92626

Notify 65 S100179669
N/A

Relative:
Lower

Actual:
1 ft.

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

Map ID
Direction
Distance
Distance (ft.)
Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

37
NE
1/2-1
3578 ft.

KNOWN
1755 EMBARCADECO EAST
OAKLAND, CA 92626

Database(s): Notify 65
EDR ID Number: S100178934
EPA ID Number: N/A

Relative:
Higher

Actual:
10 ft.

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

38
SE
1/2-1
4084 ft.

BLYMYER ENGINEERS,INC.
1829 CLEMENT AVE.,
ALAMEDA, CA 92405

Database(s): Notify 65
EDR ID Number: S100178778
EPA ID Number: N/A

Relative:
Higher

Actual:
17 ft.

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92405

39
North
1/2-1
4094 ft.

LIQUID CARBONIC
901 EMBARCADERO
OAKLAND, CA 92626

Database(s): Notify 65, LUST, CA FID UST, CA WDS, HIST UST
EDR ID Number: 1000425122
EPA ID Number: N/A

Relative:
Higher

Actual:
10 ft.

LUST Alameda County:
Region : ALAMEDA
Record Id : RO0002462
Status : Remedial action (cleanup) Underway

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

FID:
Facility ID: 01001030 Regulate ID: 00065379
Reg By: Inactive Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Inactive Facility Tel: (415) 451-4100
Mail To: Not reported
135 S LA SALLE ST
OAKLAND, CA 94606
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

WDS:
Facility ID: San Francisco Bay 01I003397
Facility Contact Not reported Facility Telephone Not reported
SIC Code: 0 SIC Code 2: Not reported
Agency Name: LIQUID CARBONIC SPECIALTY GAS
Agency Address: 0

LIQUID CARBONIC (Continued) 1000425122

Agency Contact: Not reported Agency Phone: Not reported
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 2

UST HIST:
Facility ID: 156 Owner Name: LIQUID CARBONIC CORP.
Total Tanks: 2 Region: STATE
Owner Address: 135 S. LA SALLE ST.
CHICAGO, IL 60603
Tank Used for: PRODUCT
Tank Num: 1 Container Num: 1
Tank Capacity: 00008000 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: Visual, Stock Inventor
Contact Name: Not reported Telephone: (415) 451-4100
Facility Type: Other Other Type: TRANSFILL

Facility ID: 158 Owner Name: LIQUID CARBONIC CORP.
Total Tanks: 2 Region: STATE
Owner Address: 135 S. LA SALLE ST.
CHICAGO, IL 60603
Tank Used for: PRODUCT
Tank Num: 2 Container Num: 2
Tank Capacity: 00002000 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: Visual, Stock Inventor
Contact Name: Not reported Telephone: (415) 451-4100
Facility Type: Other Other Type: TRANSFILL

40
ENE
1/2-1
4332 ft.

SERVICE STATION
2200 EAST 12TH STREET
OAKLAND, CA 92626

Database(s): Notify 65
EDR ID Number: S100178956
EPA ID Number: N/A

Relative:
Higher

Actual:
15 ft.

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

41
SE
1/2-1
4345 ft.

UNKNOWN
2235 CLEMENT AVENUE
ALAMEDA, CA 92405

Notify 65 S100179085
N/A

Relative:
Higher

Actual:
14 ft.

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92405

42
NNE
1/2-1
4352 ft.

DAVLIN PAINT
1401 14TH
OAKLAND, CA 92626

Notify 65 S100179369
LUST N/A
Cortese

Relative:
Higher

Actual:
38 ft.

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number 01-0473
Reg Board: 2
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: Not reported
Confirm Leak: Not reported
Workplan: 1991-06-20 00:00:00
Prelim Assess: 1991-06-20 00:00:00
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-09-16 00:00:00
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1990-02-13 00:00:00
Funding: Federal Funds
Staff Initials: UNK
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Yes
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 1123
Beneficial: Not reported
Staff : BG
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Alameda East Bay (2-
Operator : Not reported
Oversight Prgm: LUST

DAVLIN PAINT (Continued) S100179369

Review Date : 1995-02-28 00:00:00
Stop Date : Not reported
Work Suspended : No
Responsible Party BLANK RP
RP Address: Not reported
Global Id: T0600100429
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 2:
Region: 2
Case Number: 1123
Facility Id: 01-0473
Facility Status: Case Closed
How Discovered: TC
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 6/20/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

CORTESE:
Region: CORTESE
Fac Address 2: 1401 14TH ST E

43
ENE
1/2-1
4589 ft.

SENNA AUTOMOTIVE
2301 EAST 12TH STREET
OAKLAND, CA 92626

Notify 65 S100179580
N/A

Relative:
Higher

Actual:
16 ft.

NOTIFY 65:
Date Reported: Not reported Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
44 East 1/2-1 4898 ft. Relative: Higher Actual: 15 ft.	PORT OF OAKLAND, BERTH 25 AND 26 2700 7TH STREET OAKLAND, CA 94607	Cal-Sites LUST AWP	S105481920 N/A

LUST Alameda County:
- Region : ALAMEDA
- Record Id : RO0000059
- Status : Not reported

CAL-SITES:

Facility ID	01280092	
Status:	AWP - ANNUAL WORKPLAN (AWP) - ACTIVE SITE	
Status Date:	09/10/2001	
Lead:	DTSC	
Region:	2 - BERKELEY	
Branch:	NC - NORTH COAST	
File Name:	Not reported	
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE	
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL	Not reported
NPL:	Not Listed	
SIC:	28 MANU - CHEMICALS & ALLIED PRODUCTS	
Facility Type:	RP	
Type Name:	RESPONSIBLE PARTY	
Staff Member Responsible for Site:	EGILLERA	
Supervisor Responsible for Site:	Not reported	
Region Water Control Board:	SF - SAN FRANCISCO BAY	
Access:	Not reported	
Cortese:	Not reported	
Hazardous Ranking Score:	Not reported	
Date Site Hazard Ranked:	Not reported	
Groundwater Contamination:	Not reported	
No. of Contamination Sources:	0	
Lat/Long:	Not reported	
Lat/long Method:	Not reported	
State Assembly District Code:	16	
State Senate District:	09	

Click this hyperlink while viewing on your computer to access additional CAL-SITES detail in the EDR Site Report.

AWP Facility ID:	01280092
Facility Type:	responsible party
Site Access Controlled :	Not reported
Region :	BERKELEY
SMBR Branch Unit:	NORTH COAST
SMBR Branch Code :	NC
Site Name. :	Not reported
Current Status Date :	20/01/0910
Current Status :	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code :	DTSC
Lead Agency :	DEPT OF TOXIC SUBSTANCES CONTROL
Awp Site Type:	RESPONSIBLE PARTY
NPL :	No
Tier Of AWP Site :	Not reported
Source Of Funding :	C
Responsible Staff Member :	EGILLERA
Supervisor Responsible :	Not reported
Facility SIC :	MANU - CHEMICALS & ALLIED PRODUCTS
SIC Code :	28

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	PORT OF OAKLAND, BERTH 25 AND 26 (Continued)		S105481920

RWQCB Associated With Site :	SAN FRANCISCO BAY
RWQCB Code :	SF
Site Listed HWS List :	Not reported
Hazard Ranking Score :	Not reported
Date Site Hazard Ranked :	Not reported
Groundwater Contamination :	Not reported
# Of Contamination Sources :	0
Lat/long Method :	Not reported
Description Of Entity :	Not reported
State Assembly Distt Code :	16
State Senate District :	09
Lat/long :	0° 0' 0" / 0° 0' 0"

MAP FINDINGS - EDR PROPRIETARY HISTORICAL DATABASES

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
N/A	OAKLAND GAS LIGHT AND COKE	1719 CLEMENT AVE.	ALAMEDA	CA	South	< 1/8	Higher	ALAMEDA COUNTY

Description: 1897 Oakland Gas Light and Heat Co. is located on north side of Clement Ave. bet and Union. By 1935, gas plant is not there.

EDR Historical Gas Station & Dry Cleaner Search: No mapped sites were found in EDR's search of the EDR Historical Gas Station & Dry Cleaner Database within 0.250 mile of the Target Property.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALAMEDA	1001115499	CALTRANS SAN LEANDRO BAY BRIDGE	HWY 61 AT SAN LEANDRO BAY	94501	RCRIS-SQG, FINDS, HAZNET
ALAMEDA	S105754209	FORMER EAST HOUSING AREA SCHOOL	ALAMEDA NAVAL AIR STATION/BAIN	94501	SCH
ALAMEDA	S104569462	SCR- ALAMEDA NAS SKEET & T	ALAMEDA NAVAL AIR STATION	94501	HAZNET, CHMIRS, Cortese
ALAMEDA	S104654418	CITY OF ALAMEDA / DPW	ALAMEDA POINT	94501	HAZNET, SWF/LF
ALAMEDA	S105892720	FISCA ALAMEDA BLDG 10, IR5	ALAMEDA FACILITY/ALAMEDA ANNEX		LUST
ALAMEDA	S105247913	ALAMEDA POINT OU4A (FORMER NAS ALA	ALAMEDA POINT		SWF/LF
ALAMEDA	S105838317	UNITED STATES COAST GUARD	ELEVENTH COAST GUARD DISTRICT,	94501	Cal-Sites, AWP
ALAMEDA	1001217468	AIRCRAFT CARRIER HORNET F D N	PIER_3 ALAMEDA POINT N A S	94501	RCRIS-SQG, FINDS
ALAMEDA	S105871020	USCG BLDG 44	44 SPENCER RD		LUST
ALBANY	S106182029	WILANCO INC	1081 5 EASTSHORE HWY	94501	LUST
ALBANY	S106410350	WILANCO	EASTSHORE HWY	94501	LUST
OAKLAND	1000214031	GENERAL ELECTRIC CO	5441 E 14TH ST	94601	Cal-Sites, PADS, RCRIS-SQG, FINDS, LUST, Cortese, RCRIS-TSD, AWP, CA SLIC, CORRACTS, CERC-NFRAP, DEED

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/30/04
Date Made Active at EDR: 09/09/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/03/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 08/03/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 07/22/04
Date Made Active at EDR: 09/09/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/03/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 08/03/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/17/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 06/23/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 05/17/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 06/23/04

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/25/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 06/07/04

RCRIS: Resource Conservation and Recovery Information System
Source: EPA
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/04
Date Made Active at EDR: 07/20/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/24/04

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 07/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/13/04

CONSENT: Superfund (CERCLA) Consent Decrees
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 07/30/04
Date of Next Scheduled EDR Contact: 10/25/04

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/07/04
Database Release Frequency: Annually
Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/30/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 08/03/04
Date of Next Scheduled EDR Contact: 11/01/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04
Database Release Frequency: Annually
Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 06/04/04
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 06/30/04
Date of Next Scheduled EDR Contact: 09/27/04

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/04
Database Release Frequency: Annually
Date of Last EDR Contact: 08/10/04
Date of Next Scheduled EDR Contact: 11/08/04

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/12/04
Date of Next Scheduled EDR Contact: 11/08/04

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202-564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: 02/04/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/12/04
Date of Next Scheduled EDR Contact: 11/08/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/06/04
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/27/04 — Date of Last EDR Contact: 06/23/04
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 11/22/04

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03 — Date of Last EDR Contact: 07/06/04
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 10/04/04

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04 — Date of Last EDR Contact: 06/21/04
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 09/20/04

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95 — Date of Last EDR Contact: 06/07/04
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 09/06/04

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02 — Date of Last EDR Contact: 06/22/04
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 09/20/04

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02 — Date of Last EDR Contact: 06/07/04
Database Release Frequency: Every 4 Years — Date of Next Scheduled EDR Contact: 09/06/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04 — Date of Last EDR Contact: 06/21/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 09/20/04

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01 — Date of Last EDR Contact: 07/20/04
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 10/18/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04 — Date of Last EDR Contact: 06/21/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 09/20/04

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 916-323-3400
Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 06/01/04 — Date of Data Arrival at EDR: 06/04/04
Date Made Active at EDR: 06/25/04 — Elapsed ASTM days: 21
Database Release Frequency: Annually — Date of Last EDR Contact: 06/04/04

CAL-SITES: Calsites Database
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 06/01/04 — Date of Data Arrival at EDR: 06/04/04
Date Made Active at EDR: 06/25/04 — Elapsed ASTM days: 21
Database Release Frequency: Quarterly — Date of Last EDR Contact: 06/04/04

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/03 — Date of Data Arrival at EDR: 05/18/04
Date Made Active at EDR: 06/25/04 — Elapsed ASTM days: 38
Database Release Frequency: Varies — Date of Last EDR Contact: 06/23/04

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 07/29/04

NOTIFY 65: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-3846
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/20/04

TOXIC PITS: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 08/02/04

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/14/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/16/04
Elapsed ASTM days: 40
Date of Last EDR Contact: 06/16/04

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 06/07/04

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-341-5752
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/12/04
Date Made Active at EDR: 07/30/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/12/04
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/12/04

CA BOND EXP. PLAN: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CA UST:

UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5752
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/12/04
Date Made Active at EDR: 08/06/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/12/04
Elapsed ASTM days: 25
Date of Last EDR Contact: 07/12/04

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/04/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 06/04/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/21/04
Elapsed ASTM days: 35
Date of Last EDR Contact: 08/23/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/23/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 33
Date of Last EDR Contact: 08/23/04

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 06/18/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/21/04
Elapsed ASTM days: 35
Date of Last EDR Contact: 08/23/04

CA FID UST: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5700
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/04
Date of Next Scheduled EDR Contact: 11/01/04

CLEANERS: Cleaner Facilities
Source: Department of Toxic Substance Control
Telephone: 916-225-0873
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/21/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/04
Date of Next Scheduled EDR Contact: 09/20/04

DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 07/06/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

EMI: Emissions Inventory Data
Source: California Air Resources Board
Telephone: 916-322-2990
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/02
Database Release Frequency: Varies

Date of Last EDR Contact: 07/22/04
Date of Next Scheduled EDR Contact: 10/18/04

REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA In Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

SLIC: Statewide SLIC Cases
Source: State Water Resources Control Board
Telephone: 916-341-5752
The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 06/03/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/03/04
Date of Next Scheduled EDR Contact: 10/11/04

HAZNET: Facility and Manifest Data
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 06/09/04
Date of Next Scheduled EDR Contact: 11/08/04

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 06/11/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 06/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

CONTRA COSTA COUNTY:

Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/30/04
Date of Next Scheduled EDR Contact: 11/29/04

FRESNO COUNTY:

CUPA Resources List
Source: Dept. of Community Health
Telephone: 559-445-3271
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/21/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/09/04
Date of Next Scheduled EDR Contact: 11/08/04

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 01/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/24/04
Date of Next Scheduled EDR Contact: 09/06/04

LOS ANGELES COUNTY:

List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/03/03
Database Release Frequency: Varies

Date of Last EDR Contact: 08/19/04
Date of Next Scheduled EDR Contact: 11/15/04

City of El Segundo Underground Storage Tank
Source: City of El Segundo Fire Department
Telephone: 310-524-2236

Date of Government Version: 06/02/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/30/04
Date of Next Scheduled EDR Contact: 11/15/04

City of Long Beach Underground Storage Tank
Source: City of Long Beach Fire Department
Telephone: 562-570-2543

Date of Government Version: 03/28/03
Database Release Frequency: Annually

Date of Last EDR Contact: 08/27/04
Date of Next Scheduled EDR Contact: 11/22/04

City of Torrance Underground Storage Tank
Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 08/16/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/16/04
Date of Next Scheduled EDR Contact: 11/15/04

City of Los Angeles Landfills
Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/16/04
Date of Next Scheduled EDR Contact: 11/15/04

Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/04
Database Release Frequency: Annually

Date of Last EDR Contact: 08/16/04
Date of Next Scheduled EDR Contact: 11/15/04

San Gabriel Valley Areas of Concern
Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 06/22/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/02/04
Date of Next Scheduled EDR Contact: 11/01/04

NAPA COUNTY:

Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/28/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/28/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

ORANGE COUNTY:

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/08/04
Date of Next Scheduled EDR Contact: 09/06/04

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/08/04
Date of Next Scheduled EDR Contact: 09/06/04

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 06/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/08/04
Date of Next Scheduled EDR Contact: 09/06/04

PLACER COUNTY:

Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/07/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/18/04

Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 06/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/18/04

SACRAMENTO COUNTY:

CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 04/16/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/04
Date of Next Scheduled EDR Contact: 11/02/04

ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 04/16/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/04
Date of Next Scheduled EDR Contact: 11/01/04

SAN BERNARDINO COUNTY:

Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/28/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 06/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/29/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

SAN FRANCISCO COUNTY:

Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 06/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 06/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SAN MATEO COUNTY:

Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 08/03/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/04
Date of Next Scheduled EDR Contact: 10/11/04

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/07/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/12/04
Date of Next Scheduled EDR Contact: 10/11/04

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 06/30/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SOLANO COUNTY:

Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 07/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/13/04

Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 07/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/13/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 07/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

SUTTER COUNTY:

Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 08/25/04
Date of Next Scheduled EDR Contact: 11/22/04

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/17/04
Date of Next Scheduled EDR Contact: 09/13/04

Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/13/04
Date of Next Scheduled EDR Contact: 10/11/04

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/17/04
Date of Next Scheduled EDR Contact: 09/13/04

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 06/02/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 10/18/04

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/31/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/16/04
Date of Next Scheduled EDR Contact: 10/11/04

LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03
Database Release Frequency: Varies

Date of Last EDR Contact: 08/17/04
Date of Next Scheduled EDR Contact: 11/15/04

LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/10/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 07/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/04/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 09/06/04

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 05/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 09/27/04

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 07/01/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/09/04
Date of Next Scheduled EDR Contact: 11/08/04

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 10/18/04

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/12/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/12/04
Date of Next Scheduled EDR Contact: 10/11/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 06/26/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/16/04
Date of Next Scheduled EDR Contact: 11/15/04

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 06/07/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 7: SLIC List
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

Date of Government Version: 06/08/04
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 07/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/04
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2960

Date of Government Version: 04/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 08/30/04
Date of Next Scheduled EDR Contact: 11/29/04

EDR PROPRIETARY HISTORICAL DATABASES

EDR Historical Gas Station and Dry Cleaners: EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning and gas station/filling station/service station establishments. The categories reviewed included, but were not limited to: *gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.*

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

(A note on "dry cleaning" sites: It is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

GeoCheck - Physical Setting Source Addendum

TARGET PROPERTY ADDRESS

GRAND MARINA VILLAGE
FORTMANN WAY AND GRAND STREET
ALAMEDA, CA 94501

TARGET PROPERTY COORDINATES

Latitude (North):	37.778099 - 37° 46' 41.2"
Longitude (West):	122.252889 - 122° 15' 10.4"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	565792.6
UTM Y (Meters):	4181252.8
Elevation:	8 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GeoCheck - Physical Setting Source Summary

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

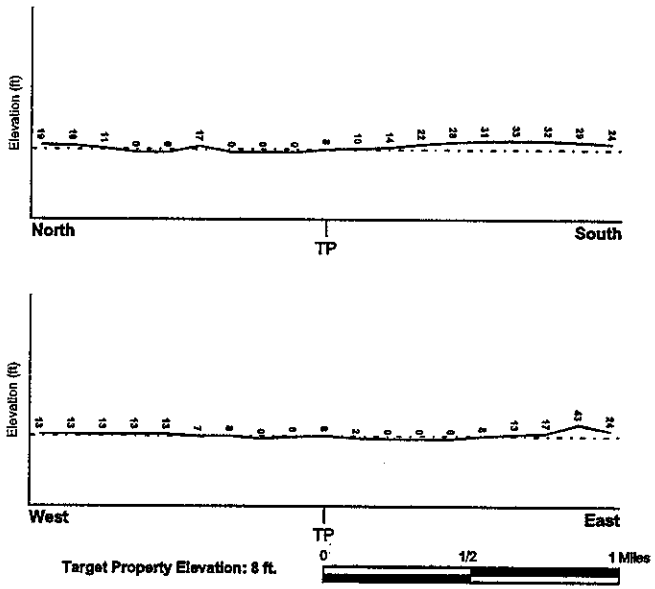
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	37122-G3 OAKLAND WEST, CA
General Topographic Gradient:	General North
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOLOGIC/HYDROLOGIC/HYDROGEOLOGIC SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ALAMEDA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0600020005B

Additional Panels in search area:
0650480020B
0650480015B
0650480025B
0600020010B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
OAKLAND WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*
Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	0 - 1/8 Mile ENE	NNE
A2	1/4 - 1/2 Mile SW	W
A3	1/4 - 1/2 Mile SW	NW
A4	1/4 - 1/2 Mile SW	W
A5	1/4 - 1/2 Mile SW	N
B6	1/4 - 1/2 Mile SSE	N

GEOLOGIC/HYDROLOGIC/HYDROGEOLOGIC SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
B7	1/4 - 1/2 Mile SSE	N
C8	1/4 - 1/2 Mile WSW	Varies
C9	1/4 - 1/2 Mile WSW	NE
C10	1/4 - 1/2 Mile WSW	Varies
11	1/2 - 1 Mile South	NW
12	1/2 - 1 Mile SSE	N, SE
D13	1/2 - 1 Mile WSW	Varies
D14	1/2 - 1 Mile WSW	SE
D15	1/2 - 1 Mile WSW	Varies
E16	1/2 - 1 Mile NE	WSW
E17	1/2 - 1 Mile NE	WSW
E18	1/2 - 1 Mile NE	WSW
F19	1/2 - 1 Mile SE	NE
20	1/2 - 1 Mile East	NW
21	1/2 - 1 Mile ESE	SE
22	1/2 - 1 Mile NNW	E
23	1/2 - 1 Mile East	SW
24	1/2 - 1 Mile NNE	S, SW
F25	1/2 - 1 Mile SE	NE
F26	1/2 - 1 Mile SE	NE
G27	1/2 - 1 Mile ENE	SE
28	1/2 - 1 Mile East	Not Reported
G29	1/2 - 1 Mile ENE	SW
30	1/2 - 1 Mile SW	SW
H31	1/2 - 1 Mile SSE	NW
H32	1/2 - 1 Mile SSE	NW
I33	1/2 - 1 Mile SSE	NW
J34	1/2 - 1 Mile ESE	Varies
K35	1/2 - 1 Mile ENE	Varies
K36	1/2 - 1 Mile ENE	NE
I37	1/2 - 1 Mile SSE	NNE
38	1/2 - 1 Mile ESE	N
J39	1/2 - 1 Mile ESE	SW

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sand
loamy sand
silty clay loam

Surficial Soil Types: sand
loamy sand
silty clay loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sand
fine sand
stratified

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

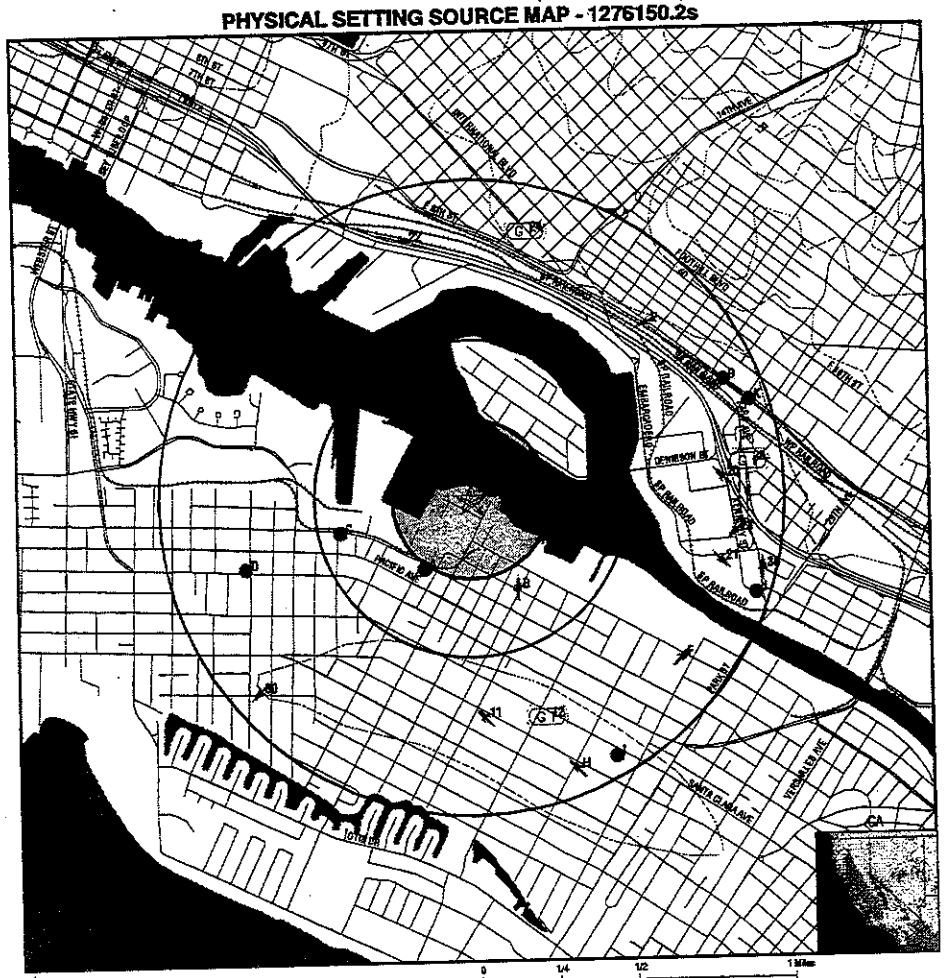
Note: PWS System location is not always the same as well location.

GEOCHECK - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1276150.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

TARGET PROPERTY:	Grand Marina Village	CUSTOMER:	Lowney Associates
ADDRESS:	Fortmann Way and Grand Street	CONTACT:	Veronica Tigiao
CITY/STATE/ZIP:	Alameda CA 94501	INQUIRY #:	1276150.2s
LAT/LONG:	37.7781 / 122.2529	DATE:	September 27, 2004 9:50 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
1 ENE 0 - 1/8 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0288 NNE 0.4 6.0 Not Reported 04/03/1996	AQUIFLOW	52962
A2 SW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 W 3.13 8.85 Not Reported 10/10/1996	AQUIFLOW	52506
A3 SW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 NW 2.60 7.63 Not Reported 03/28/1997	AQUIFLOW	52507
A4 SW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 W 2.59 8.10 Not Reported 01/20/1996	AQUIFLOW	52505
A5 SW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0734 N 4 8 Not Reported 03/28/1996	AQUIFLOW	64649
B6 SSE 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2021 N Not Reported Not Reported 5.4 03/07/1994	AQUIFLOW	52481
B7 SSE 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2021 N Not Reported Not Reported 5.8 01/02/1995	AQUIFLOW	52482

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
C8 WSW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1777 Varies 3.31 7.34 Not Reported 06/29/1995	AQUIFLOW	50325
C9 WSW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1777 NE 3.31 7.34 Not Reported 06/29/1995	AQUIFLOW	64644
C10 WSW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1777 Varies Not Reported Not Reported 10 10/28/1992	AQUIFLOW	50326
11 South 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1746 NW Not Reported Not Reported 10-11 12/09/1992	AQUIFLOW	69324
12 SSE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1992 N, SE 3.68' 6.99' Not Reported 06/15/1995	AQUIFLOW	69327
D13 WSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0902 Varies 2.20 15.16 Not Reported Not Reported	AQUIFLOW	52322
D14 WSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0902 SE Not Reported Not Reported 12-13 04/26/1993	AQUIFLOW	52323

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
D15 WSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0902 Varies 5.76 9.68 Not Reported 09/30/1992	AQUIFLOW	52321
E16 NE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2067 WSW Not Reported Not Reported 9 03/26/1996	AQUIFLOW	55937
E17 NE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2067 WSW 10.0 10.2 Not Reported 11/22/1991	AQUIFLOW	55936
E18 NE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2067 WSW Not Reported Not Reported 4 11/18/1991	AQUIFLOW	55938
F19 SE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0429 NE 5.15 6.43 Not Reported 05/10/1989	AQUIFLOW	52973
20 East 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0853 NW Not Reported Not Reported 17-18 04/17/1997	AQUIFLOW	66597
21 ESE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0442 SE Not Reported Not Reported Not Reported 01/30/1989	AQUIFLOW	63906

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
22 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0225 E Not Reported Not Reported Not Reported 09/20/1991	AQUIFLOW	51908
23 East 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2132 SW Not Reported Not Reported Not Reported 03/26/1996	AQUIFLOW	51857
24 NNE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0699 S, SW 5 20 Not Reported 03/10/1998	AQUIFLOW	55949
F25 SE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0429 NE Not Reported Not Reported 7-7-5 06/06/1991	AQUIFLOW	52974
F26 SE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0429 NE Not Reported Not Reported 5-10 05/04/1992	AQUIFLOW	52975
G27 ENE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1455 SE Not Reported Not Reported 20 10/20/1990	AQUIFLOW	63904
28 East 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0933 Not Reported Not Reported Not Reported 37 ft 03/13/1996	AQUIFLOW	66626

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
G29 ENE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2179 SW Not Reported Not Reported Not Reported 07/17/1996	AQUIFLOW	63922
30 SW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0820 SW Not Reported Not Reported 7-10 07/20/1993	AQUIFLOW	69311
H31 SSE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0043 NW Not Reported Not Reported 10 07/13/1992	AQUIFLOW	50292
H32 SSE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0043 NW Not Reported Not Reported 15 08/18/1993	AQUIFLOW	50291
I33 SSE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0657 NW 8.64 9.10 Not Reported 03/22/1992	AQUIFLOW	69329
J34 ESE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1241 Varies 10.00 10.38 Not Reported 05/28/1990	AQUIFLOW	63755
K35 ENE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1317 Varies 7.0 9.0 Not Reported 06/09/1995	AQUIFLOW	52384

GEOCHECK - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
K36 ENE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1317 NE 7.98 9.06 Not Reported 12/01/1993	AQUIFLOW	52385
I37 SSE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2152 NNE Not Reported Not Reported 15-20 06/28/1995	AQUIFLOW	69332
38 ESE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1823 N 6.26 6.02 Not Reported 09/24/1993	AQUIFLOW	67900
J39 ESE 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-4880 SW Not Reported Not Reported 5.5 05/18/1996	AQUIFLOW	63789

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations for District 2, 3, 5 and 6
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.